



भारत का राजपत्र

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No. 37] NEW DELHI, SATURDAY, SEPTEMBER 10, 1994 (BHADRA 19, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 10th September 1994

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1—237 GI/94

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Telegraphic address "PATENTOFIS".

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Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 10 सितम्बर 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,
61, दालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्का तथा एमिनिदिदि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहत्तीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों को अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

THE PATENT OFFICE

Calcutta, the 10th September 1994

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dated
claims under section 135, of the Patents Act, 1970.

5th July 1994

526/Cal/94. Harris Corporation. Method for releasing
unnecessary trunks from a telephone call.

527/Cal/94. Harris Corporation. Hot pluggable mother-
board bus connector method.

528/Cal/94. Hoechst Aktiengesellschaft. Surface impreg-
nated catalyst, process for the production there-
of, and use thereof for the preparation of vinyl
acetate.

529/Cal/94. Matsushita Electric Industrial Co. Ltd. Auto-
mobile on-board and/or portable telephone sys-
tem.

530/Cal/94. Matsushita Electric Industrial Co. Ltd. Mobile
communication unit.

531/Cal/94. Matsushita Electric Industrial Co. Ltd. Method
and apparatus for detecting bit rate in variable
bit rate communication.

532/Cal/94. Matsushita Electric Industrial Co. Ltd. Radio
communication apparatus.

533/Cal/94. Thomas Francis Jespersen. Improvements in
panel lifting hoists.

534/Cal/94. Shih-hsien Lin. A compact disk container.

6th July 1994

535/Cal/94. Nagoyaseiraku Co. Ltd. Method of produc-
ing roasted coffee beans and roasted ground
coffee beans retained fresh aroma and flavor for
prolonged storage periods.

APPLICATIONS FOR PATENTS FILED IN THE
PATENT OFFICE BRANCH AT TODI ESTATES, THIRD
FLOOR, SUN MILL COMPOUND, LOWER PAREL
(W), BOMBAY-13

23-5-94

238/BOM/94. Gujarat Metal cast Industries Pvt. Ltd. An
Expandable polystyrene (Foam) casting.

24-5-94

239/BOM/94. Mrs. Shashi Sharma, W/o Vinodkumar
Sharma. Fertilisers.

240/BOM/94. Steven Alan Wolfowitz. A Building Ele-
ment.

26-5-94

241/BOM/94. Mr. Tayebbhaji Esmailji Godhrawala, Mr. Esmailji Tayebbhaji Godhrawala, Mr. Khozem Tayebbhaji Godhrawala. Wire-Ring (Book-Binding) Material used in Stationery.

242/BOM/94. Wilson Varghese. Differential Gear Mechanism for control of Revolving Tools.

27-5-94

243/BOM/94. Shri V. N. Prabhu. Automatic liquid soap and hand cleanser dispenser.

244/BOM/94. Ghansyam Shankar Tasgaonkar. Declare Refrigerator.

30-5-94

245/BOM/94. Gideon Ruttenberg. Elastic drip tubes for Irrigation and the like.

246/BOM/94. Waman Ghanashyam Desai Pradip Waman Desai & Gujarat Reclaim & Rubber Products Limited. Process for continuous reclaiming of scrap rubber".

247/BOM/94. Thermax Limited. Improvements in water treating units for regenerating resins in an industrial unit.

31-5-94

248/BOM/94. Dilip Rangnath Deshpande. Automatic vending Machine for vending of prepacked commodities like Condoms, Contraceptives Cigarettes, Eatables. Health Products etc.

1-5-94

249/BOM/94. Lalit Premanandhai Patel. Rosting Machine for Coriendar seeds.

250/BOM/94. Dilip Shantaram Dabanekar. Double sided disposable safety razor.

251/BOM/94. Surendra Himmatilal Shah.—Multi functional energy efficient unitary or split unit air conditioner operable in air conditioner mode or in ventilator mode or in evaporative desert air cooler mode.

2-6-94

252/BOM/94. Olaf Erich Bethke. An improved internal combustion engine capable of producing nearly double output effect.

3-6-94

253/BOM/94. Hindustan Lever Limited. Cosmetic Composition.

254/BOM/94. Hindustan Lever Ltd. U.K. Priority dated 04-03-93. Hot soluble Extractable food product and process for preparing same.

255/BOM/94. Vakrangee Investment Limited. A computer controller process and apparatus for the preparation of an Identity card Typically a voters identity card.

6-6-94

256/BOM/94. Hawkins cookers Limited. Improved pressure regulating vent weight.

257/BOM/94. Gujarat state fertilizers company Limited. Process for the preparation of hydroxylamine sulfate crystals from aqueous solution of hydroxylamine sulfate, sulfuric acid and ammonium sulfate.

258/BOM/94. Anil Janardan Patil & Pralhad Pundlik Pawar. "Perspective view Drafter".

7-6-94

259/BOM/94. Sanjay Damodar Ghole. A sitting Arrangement like a chair or a bench with integrally

provided lighting arrangements utilising solar energy.

260/BOM/94. Ahmedabad textile industry's research Association. Process for multistrand spinning of textile and like fibres.

261/BOM/94. Ahmedabad textile industry's research Association. Apparatus for stretch breaking of textile and like fibres.

262/BOM/94. Ahmedabad textile industry's research Association. Process and device for crimping of textile and like fibres.

263/BOM/94. Outokumpu engineering contractors oy. Method for leaching material containing zinc oxide and zinc silicate.

9-6-94

264/BOM/94. Vimal Jayant Soni. Compact studio flash light.

10-6-94

265/BOM/94. Mayoer Amin. A method for using CAD net list or stored interconnection pattern as a master pattern in a bare printed circuit board (PCB) tester as a reference master pattern;

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD MADRAS-600 002

11th July 1994

612/MAS/94. Sri Ananthakrishnan Padmanabhan. Delayed-fuel-transfer engine.

613/MAS/94. Ramanujapuram Anandam Pillai Krishna Swamy. A process for preparing dehydrated jamoons.

614/MAS/94. Rmanujapuram Anandam Pillai Krishna Swamy. A process for preparing ready-mixmy-sore pak powder.

615/MAS/94. Dr. Nanda Kishore and D. Rama Rao. Methods of preparing amedicine arbesthal for treating thalassemias & Sickle Cell Anaemia.

616/MAS/94. Sree Chitra Tirunal Institute for Medical Sciences & Technology. A blood filter.

617/MAS/94. Invention Technologies Pty. Ltd. Fire extinguishing apparatus. (July 12, 1993; Australia).

618/MAS/94. Avery Dennison Corporation. Uniaxially-oriented label film with compatibilizer.

12th July, 1994

619/MAS/94. Murugesan Deva Prasad; Krishnamoorthy Thyagarajan and Swaminathan Nagarajan. A gas fuse for domestic LPG (liquified petroleum gas) systems.

620/MAS/94. CTB, Inc. Bulk storage tank with access panel.

621/MAS/94. Shell Internationale Research Maatschappij B V. Polymeric flow improver additives.

622/MAS/94. Tampella Power Oy. Evaporator operating on falling film principle.

623/MAS/94. Novo Nordisk Entotech Inc. and Novo Nordisk Biotech Inc. Formation and methods for the production of large bacillus thuringiensis crystals with increased pesticidal activity.

624/MAS/94. Maschinenfabrik Rieter AG. Regulating drive for spinning machines.

13th July 1994

625/MAS/94. Maschinenfabrik Rieter AG. Mounting device for funnel wheel.

626/MAS/94. Tampella Power Oy. Method for adjusting the chlorine equilibrium in asulphate cellulose process.

13th July 1994

627/MAS/94. Kimberly-Clark Corporation. Mechanical fastening tapes and method for their construction.

14th July 1994

628/MAS/94. The Chemithon Corporation. Sulfonation of fatty acid esters.

629/MAS/94. The Chemithon Corporation. Process for removal of solvents from detergent pastes.

630/MAS/94. Minpro Australia N. L. Dredge. (July 15, 1993; Australia).

631/MAS/94. Hylsa S A DE CV. Apparatus for reducing iron ore particle to sponge iron particles by means of a reducing gas. (Divisional to Patent Application No. 421/MAS/90).

15th July 1994

632/MAS/94. Govindaraj Rajendran. Holpack fridge.

633/MAS/94. Govindaraj Rajendran. Gear Wet Grinder.

634/MAS/94. Govindaraj Rajendran. Gear Mixer.

635/MAS/94. Schneider Electric SA. Four-Pole Differential switch.

636/MAS/94. Kenneth Herbert Hay. Locator Beacon and method of locating. (July 19, 1993; New Zealand).

637/MAS/94. Claude-Andre Marthe. Noble metal watch case.

18th July 1994

638/MAS/94. S.A.R. Navakodi Allirajan. Self sensor system in video tape recorder, video disc player, TV transmission and satellite transmission.

639/MAS/94. S.A.R. Navakodi Allirajan. Jewelleries with light source.

640/MAS/94. S.A.R. Navakodi Allirajan. Toy player.

641/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing anti carcino embryonic antigen (CEA).

642/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing anti human insulin (Residues -8-10).

643/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing anti Human Alfa Foeto Protein.

644/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing Anti Human Thyroxine (T4).

645/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing Anti Human T cell subset.

646/MAS/94. O. Sundara Rama Reddi. Hybridoma producing anti Human T Lymphocytes antigen.

647/MAS/94. O. Sundara Rama Reddi. Hybridoma producing Anti Apolipo Protein A.

648/MAS/94. O. Sundara Rama Reddi. Hybridoma producing Anti Human B cell.

649/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing Anti Human Erythropoietin.

650/MAS/94. O. Sundara Rama Reddi. Hybridoma line producing Anti HbsAg.

651/MAS/94. O. Sundara Rama Reddi. Hybridoma line separating anti Treponema pallidum (IgG).

652/MAS/94. O. Sundara Rama Reddi. Hybridoma line secreting anti Treponema pallidum (IgM).

653/MAS/94. O. Sundara Rama Reddi. Hybridoma producing Anti Human Blood group A.

654/MAS/94. O. Sundara Rama Reddi. Hybridoma producing Anti Human B Blood Group.

655/MAS/94. Sankeibutusan Kabushikikaisya. Tile cutter.

656/MAS/94. Ciba-Geigy AG. Photocrosslinked polymers.

657/MAS/94. DSM N.V. Process for the preparation of a -lactam derivative.

19th July 1994

658/MAS/94. Institut fur Textil- und Verfahrenstechnik. Double Apron Drawing Equipment.

659/MAS/94. Airboss Limited. Wheel Assembly. (July 19, 1993; Australia).

660/MAS/94. Brian Lee Evans. Independent suspension vehicle truck for supporting a ground contacting device.

661/MAS/94. Owens-Brockway Glass Container Inc. Inspection and sorting of containers.

662/MAS/94. Owens-Illinois Closure Inc. Plastic pellet delivery system.

663/MAS/94. Maschinenfabrik Rieter AG. Silver can turning station.

20th July 1994

664/MAS/94. Hoechst Aktiengesellschaft. Molded structure comprising a thermoplastic, process for its production and its use.

665/MAS/94. Hoogovens Technical Services Energy & Environment BV. Processing sulphur-containing residues and fly ash into cured granules, making cementless mortar and making a building block of such granules and mortar.

666/MAS/94. DSM Copolymer, Inc. Solid sheared polymer blends and process for their preparation.

667/MAS/94. Fisher-Rosemount Systems, Inc. Method and apparatus for fuzzy logic control with automatic tuning.

668/MAS/94. F.L. Smidth & Co. A/S. Ring roller mill.

669/MAS/94. Societe Des Produits Nestle S.A. Chocolate shape retention. (August 4, 1998; Great Britain).

670/MAS/94. Societe Des Produits Nestle S.A. Production of seasoning.

671/MAS/94. Maschinenfabrik Rieter AG. A damping means for damping vibrations.

21st July 1994

672/MAS/94. K.C.P. Limited. A three-stage sugar cane juice displacement process.

673/MAS/94. Idemitsu petrochemical Co., Ltd. Process of producing -olefin.

674/MAS/94. Italmimpianti S.p.A. Roller for furnaces, particularly for iron and steel making furnaces for heating slabs or the like.

675/MAS/94. Tetra Laval Holdings & Finance SA. A method of treating soya beans for use as starting material. (Divisional to Patent Application No. 41/MAS/93).

676/MAS/94. Tetra Laval Holdings & Finance S.A. A method of producing and preparing for distribution on a rational industrial scale an calcium enriched soya drink. (Divisional to patent Application No. 41/MAS/93).

677/MAS/94. Aluminium Pechiney. Process for the production of trihydrate of alumina having controlled sodium content and grain size.

678/MAS/94. Mauser-Werke GmbH. Pallet container.

679/MAS/94. Savio Macchine Tessili S.r.l. Method and device for monitoring the soundness and quality of a twisted yarn.

680/MAS/94. Run-Rad Unlimited Networking Ltd. A computer assembly.

22nd July 1994

681/MAS/94. Dr. Reddys Research Foundation. A process for the preparation of novel taxane derivatives of 14-hydroxy-10-deacetylbaecatin III as anti-tumor agents.

682/MAS/94. Dr. Reddys Research Foundation. A process for the preparation of novel taxane derivatives of 14-hydroxy-10-deacetylbaecatin III as anti-tumor agents.

683/MAS/94. Dr. Reddys Research Foundation. A process for the preparation of novel taxane derivatives of 14-hydroxy-10-deacetylbaecatin III as anti-tumor agents.

684/MAS/94. Dr. Reddys Research Foundation. A process for the preparation of novel taxane derivatives of 14-hydroxy-10-deacetylbaecatin III as anti-tumor agents.

685/MAS/94. Dr. Reddys Research Foundation. A process for the preparation of novel taxane derivatives of 14-hydroxy-10-deacetylbaecatin III as anti-tumor agents.

686/MAS/94. Dr. Reddys Research Foundation. A process for the isolation of novel anti-cancer taxanes from the plant of the genus taxus.

687/MAS/94. Sendhamangalam, Parthasarathy and Gopalakrishnan. Emergency crash wheel.

688/MAS/94. American Telephone and Telegraph Company. Telecommunications system sequence calling.

689/MAS/94. ABB Management AG. Method for stabilizing a power supply network against reactive load fluctuations, and a power factor compensation device.

690/MAS/94. International Business Machines Corporation. A computer adapter card. (Divisional to Patent Application No. 760/MAS/90).

691/MAS/94. International Business Machines Corporation. A break-in circuit. (Divisional to Patent Application No. 760/MAS/90).

692/MAS/94. Hoechst Aktiengesellschaft. Ceramic component having a corrosion-resistant coating.

ALTERATION OF DATE UNDER SECTION 16

Patent No. 174062 (1020/M/90) Ante-dated to 15th January 1987.

ALTERATION OF DATE

Patent No. 174071 (391/Mas/92) Ante-dated to 16th March 1989.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, उसका को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेखों कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) को दो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 206 E(LXII).

174061

Int. Cl. : G 11 B 5/33.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

MAGNETIC RECORDING HEAD AND A METHOD OF MAKING AMAGNETIC RECORDING HEAD.

21 Claims

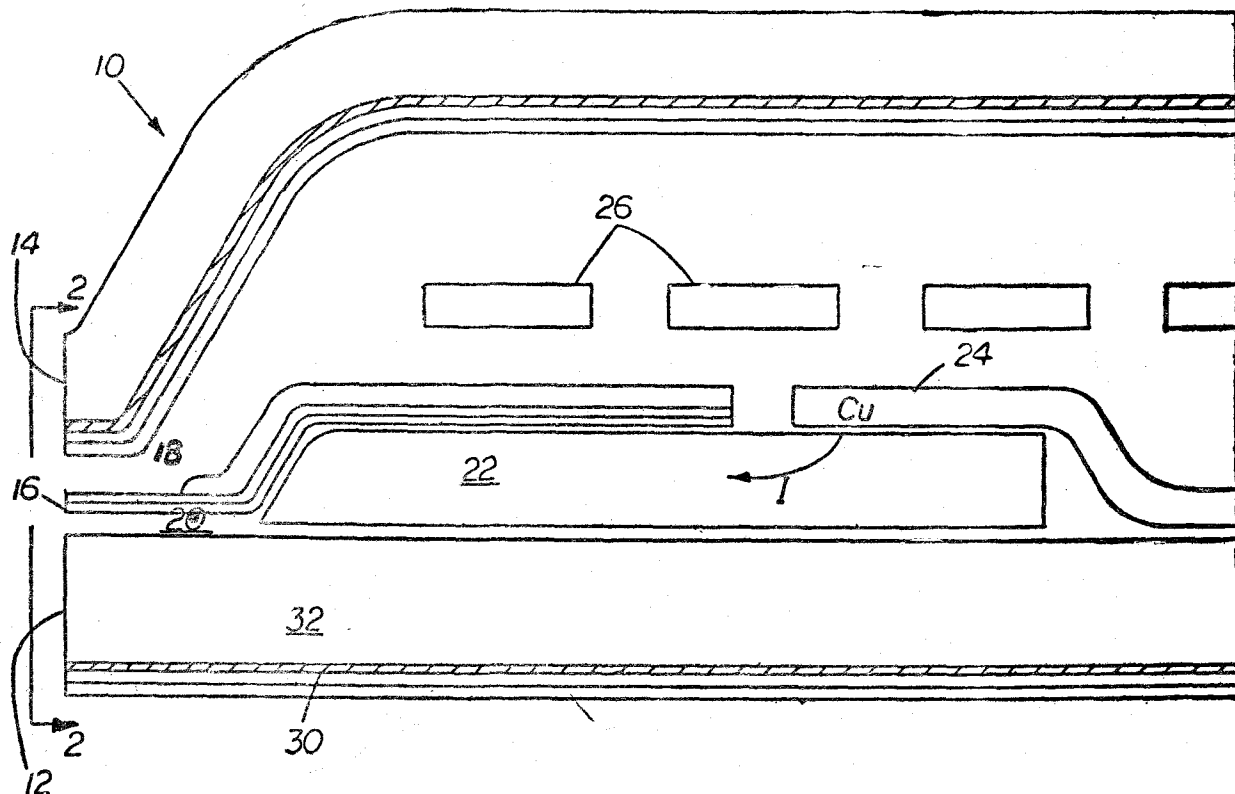
Applicant: DIGITAL EQUIPMENT CORPORATION, A MASSACHUSETTS CORPORATION OF 111 POWDERMILL ROAD, MAYNARD, MASSACHUSETTS 01745 UNITED STATES OF AMERICA.

Inventor: MICHAEL MALLARY.

Application No. 521/MAS/88 filed on 21st July 1988.

Magnetic recording head comprising a read pole disposed between a pair of write poles; and

a magnetic flux sensor associated with the read pole and spaced away from the pole tips, the said read pole is adapted to conduct flux from its pole tip to the flux sensor and is isolated from the said write poles by respective isolation gaps.



(Comp. Specn. 13 pages;

Drwg. 2 sheets)

Ind. Cl. : 127-C [GROUP—LXV(1)]

174062

Int. Cl. : B 30 B 15/00.

A POWER PRESS.

Applicant: DANLY-KOMATSU L.P., A DELAWARE LIMITED PARTNERSHIP ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, OF 2115 S. 54TH AVENUE, CHICAGO, ILLINOIS 60650, U.S.A.

Inventor: CARL E TACK.

Application No. 1020/MAS/90 filed December 17, 1990.

Divisional to Patent Application No. 21/MAS/87; Antedated to January 15, 1987.

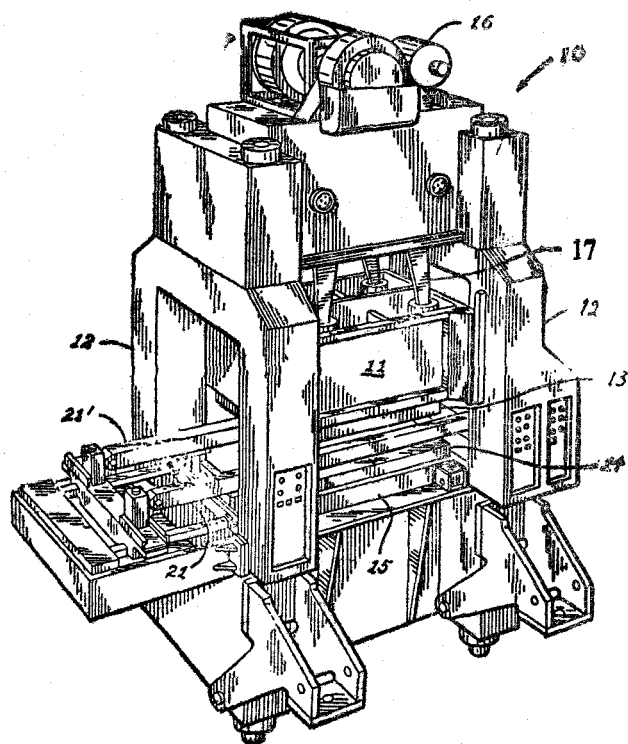
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A power press comprising a slide mechanism mounted for reciprocating movement, a press drive for cycling the said slide mechanism the said press drive having a press

drive shaft and driving means for driving said shaft at a controllable angular velocity, and an automated feed mechanism for transferring workpieces in and out of at least one work station in the press in synchronism with the reciprocating movement of the said press slide mechanism, characterized in that said driving means for driving the said press drive shaft comprises at least a rotatable eccentric coupled to the said drive shaft, means for providing predetermined first and second angular velocity reference signals and means for alternately applying the said first and second angular velocity reference signals in response to predetermined angular position signals generated by a transducer coupled to the said eccentric for driving the said press drive shaft at a first, relatively fast angular velocity during a closed portion of each cycle of reciprocating movement of the press slide, said closed portion of each cycle including that portion of the cycle during which the press slide is working one or more work-pieces, and for driving the said press drive shaft at a second angular velocity slower than the said first angular velocity during an open portion of each cycle of reciprocating movement of the press slide mechanism, said second angular velocity being sufficiently slow to allow said automatic feed mechanism to transfer

workpieces in and out of said work station in the press during said open portion of each cycle.



(Comp. 28 pages;

Drwg. 8 sheets)

Ind. Cl.: 206-C (GROUP—LXII)

174063

Int. Cl.⁴: G 01 S 5/04.

NAVIGATION AND TRACKING SYSTEM.

Applicants: (1) LYNXVALE LIMITED, OF THE OLD SCHOOLS, TRINITY LANE, CAMBRIDGE CB2 1TS, (2) CAMBRIDGE RESEARCH AND INNOVATION LIMITED, OF 13 STATION ROAD, CAMBRIDGE CB1 2JB AND, (3) CAMBRIDGE CAPITAL MANAGEMENT LIMITED, OF 13 STATION ROAD, CAMBRIDGE CB1 2JB.

Inventor: PETER JAMES DUFFETT-SMITH.

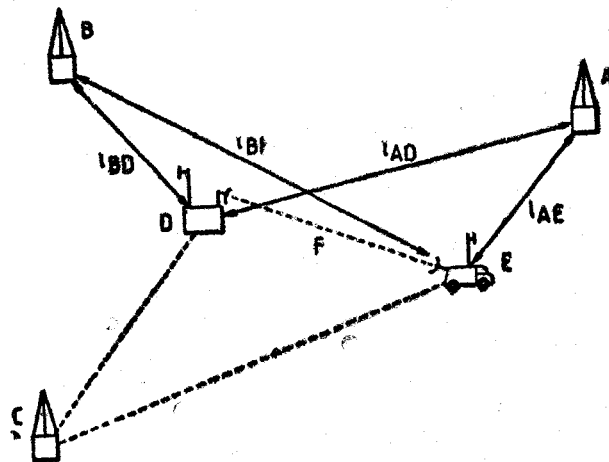
Application No. 10/MAS/89 filed January 4, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

17 Claims

A navigation and tracking system, for receiving the signals transmitted by a number of transmission sources (A, B, C) equal at least to the number of dimensions in which the movement of a roving object is to be monitored, comprising a pair of receiving stations (D, E), in which the first of the said receiving stations (D) being at a known position and the second (E) being located on the roving object; means (F) for passing a link signal from one of the receiving stations to the other receiving station, containing information about the signal or signals received at the one

receiving station for determining the phase difference or time delay between the respective signals received at the said receiving stations comparing means (R.S.T.U) at the other receiving station for comparing the information received from the one receiving station with information about the respective signal received directly from the respective transmitter and for determining the phase difference or time delay between the received signals and hence the change in phase difference or time delay of the signals for determining the change in position of the roving object.



(Comp. 29 pages;

Drwgs. 8 sheets)

Ind. Cl.: 136-E (GROUP—XIII)

174064

Int. Cl.⁴: B 29 C 41/00.

A METHOD FOR THE MANUFACTURE OF A POLYMERIC CASING OF PRESELECTED SHAPE HAVING A LUBRICOUS SURFACE.

Applicant: LRC PRODUCTS LTD., A COMPANY ORGANISED UNDER THE LAWS OF UNITED KINGDOM OF NORTH CIRCULAR ROAD, LONDON, ENGLAND E4 8QA.

Inventors:

- (1) WENDELL MCGLOTHLIN.
- (2) ALICE ANN DEPAUL.

Application No. 24/MAS/89 filed January 11, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims (No Drawing)

A method for the manufacture of a polymeric casing of a preselected shape having a lubricous surface, said method comprising: (a) immersing a form of said preselected shape in a solution of a solid-polymer-forming material such as polyurethane dissolved in a solvent; (b) withdrawing said form from said solution to retain a liquid film thereon; (c) contacting said film with a liquid such as herein described which is miscible with the said solvent and in which said solid-polymer-forming material is substantially insoluble to obtain said solid-polymer-forming material to a solid polymer film over said form with a matt surface; and (d) removing said solid polymer film from said form.

(Com. 18 pages).

Ind. Cl. : 172-D₁ (GROUP—XX) 174065
 Int. Cl.⁴ : D 01 H 13/14.

A SYNCHRONOUS YARN FEEDING DEVICE FOR USE IN A TEXTILE MACHINE.

Applicant: JEN-FU CHEN, CITIZEN OF THE REPUBLIC OF CHINA, OF 20, LANE 13, CHIN-SHAN S ROAD, SEC. 2, TAIPEI, TAIWAN-ROC.

Inventor: JEN-FU CHEN.

Application No. 442/MAS/89; filed June 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

A synchronous yarn feeding device for use in a textile machine said textile machine including a machine body and a frame fixed on said body, said yarn feeding device comprising: a drum rotatably mounted on said frame; a yarn guiding means movably mounted beside said drum on said frame; a driving belt; wherein said drum including an outer periphery with a first portion having a first rigid projecting engaging means for engaging a corresponding portion of said driving belt, a second drum portion for receiving a portion of yarn being fed onto said drum, and a third drum portion for receiving a portion of yarn being unfed from said drum when said yarn guiding means is operatively moved toward said third portion of said drum; and said driving belt including a first belt portion having a second engaging means for cooperative engagement with said drum first portion and said first engaging means, and a second belt portion for pressing a portion of yarn against said drum second portion as a portion of yarn is fed onto said drum, whereby said yarn is fed onto said drum in synchronism with the rotation of said drum and said driving belt, wherein said first and second engaging means cooperate to maintain the position of said belt second portion relative to said drum second portion while said yarn is being fed onto said drum.

(Comp. 16 pages;

Drwgs 4 sheets)

Ind. Cl. : 145-E₁, 2, 3 [GROUP—XXIV(4)] 174066
 Int. Cl.⁴ : D 21 C 300.

PROCESS AND APPARATUS FOR THE MANUFACTURE OF PULP SUITABLE FOR USING AS RAW MATERIAL FOR THE PRODUCTION OF PAPER, BOARD, FIBREBOARD AND OTHER PRODUCTS.

Applicant & Inventor: SIGURD FONGEN, A NORWEGIAN CITIZEN, OF, BEITEVEIEN 25, N-1500 MOSS, NORWAY.

Application No. 526/MAS/89; filed July 11, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A process for manufacturing pulp suitable for using as raw material for the production of paper, board, fibreboard and other products which contain plant and/or wood fibres by digesting and, optionally bleaching of plant and wood

fibre and/or for delignification and, optionally, deinking of secondary fibres, the said process comprising the steps of:

introducing fibrous raw material into a digestion zone in which the raw material is digested in an alkaline slurry at an elevated temperature and pressure using an alkaline cooking chemical in combination with oxygen, and, optionally, minor amounts of other additives, such as anthraquinone,

removing the cooking chemicals from the digestion zone in the form of a black liquor which is deposited or subjected to recovery of chemicals therefrom,

conducting the raw material in the form of a pumpable fibre-containing slurry during digestion and optional bleaching through a closed, continuous and pressurized tube system by means of pulp pumps (21) which are simultaneously used as mixing aggregates for the slurry and the chemicals,

subjecting the fibre-containing slurry, while being conducted through the tube system, to repeated dewaterings by pressing out liquid from the fibre-containing slurry,

prior to each dewatering stage apart from the last dewatering stage (81'''), diluting the dewatered fibre-containing slurry with pressed out process liquid returned from a pumping stage which is disposed downstream in the fibre flow,

subjecting the fibre-containing slurry while being conducted through the tube system, to stepwise increasing pressure in three or more pumping stages (2, 3, 4, 5, 6),

prior to the last dewatering stage (81'''), diluting and, optionally, cooling the fibre-containing slurry with fresh water and/or bleaching liquor (R) supplied under pressure, and

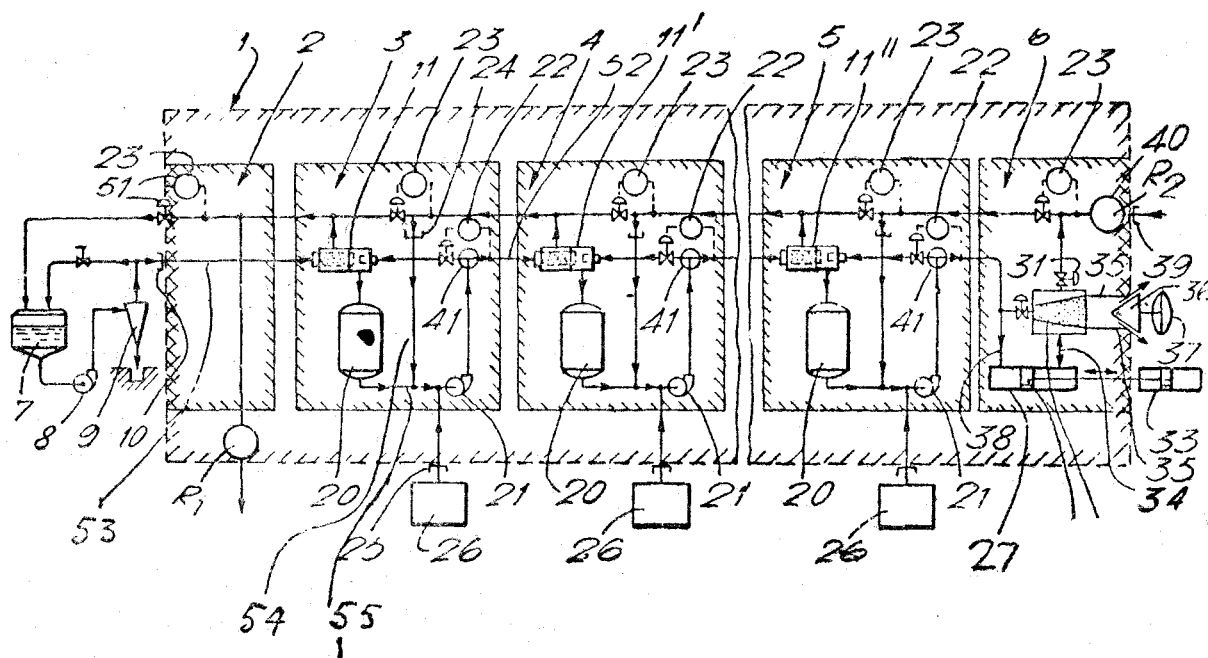
after the last dewatering stage, washing the pulp so obtained and, optionally, bleaching the pulp in a continuation of the pressurized tube system or in the non-pressurized state after cold or hot blowing from the pressurized tube system,

characterised in that, at least at each pumping stage (3, 4, 5) between the first and last pumping stages (2, 6), two circulation flows are maintained and circulating through the same circulation pump (21), one of the circulation flows (21, 20, 63, 21) comprising mainly fibre, containing slurry and the other circulation flow (21, 81, 21) comprising mainly process liquid pressed out of the fibre-containing slurry in a dewatering-thickening means (81) disposed downstream in the fibre flow and recycled therefrom to the suction side of said circulation pump (21) so that the pressed out process liquid is mixed at said suction side with the fibre-containing slurry circulating in said one circulation flow (21, 20, 63, 21), thereby forming a fibre-containing slurry diluted with the pressed out and recycled process liquid, that part of the diluted fibre-containing slurry is circulated back to a further dewatering-thickening means (63) and the dewatered fibre-containing slurry from said further dewatering-thickening means (63) is passed back to said suction side of the circulation pump (21) of the same pumping stage for mixing with process liquid pressed out in an recycled from the first-mentioned dewatering-thickening means (81), and the dewatered and thickened fibre-containing

slurry is discharged from the first-mentioned dewatering-thickening means (81) to the next circulation flow (21', 20', 63', 21') comprising mainly fibre-containing slurry in

the next succeeding pumping stage (4) of higher pressure in the process.

Fig.1.



(Comp. 32 pages;

Drwgs. 5 sheets)

Ind. Cl.: 116-G (GROUP—XLIX)

174067

Int. Cl.: B 65 G 19/22.

A TRANSVERSE CONVEYOR SYSTEM AT THE OUTLET OF A CARD.

Applicant: MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF CH-8406, WINTERTHUR, SWITZERLAND.

Inventors:

(1) DANIEL ERNI.

(2) PAUL STAHELI.

Application No. 719/MAS/89; filed September 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

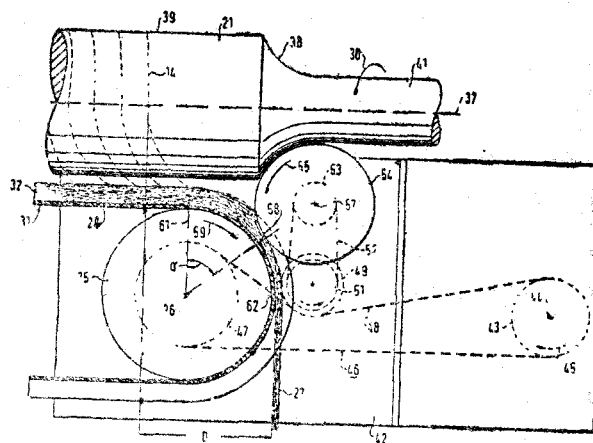
16 Claims

A transverse conveyor system at the outlet of a card, in which the fibre web leaving a nip formed between at least two rotatable rolls is deposited on the top run of a transverse conveyor situated at least substantially under two rolls and moving in the axial direction of the rolls between deflecting rollers disposed near the axial ends of the rolls, the transverse conveyor roller guiding the fibre web to one axial end of the rolls, where it is guided downwards by a guide device rotating around one or more axes disposed transversely to the roll axes and to the transverse conveyor, characterised in that

the rolls (21, 22) disposed above the transverse conveyor each have a step-like constriction (38) at their ends associated with the guide device (54, 51) and in front of the position of deflection of the transverse conveyor (31), the guide device (54) being partially received in the constriction, and in that a nip (58) or a nip zone is formed between the guide device and the adjacent deflection roller (25) of the transverse conveyor (31) and is situated to the side of and at least mainly above the axis of rotation (26) of this deflection roller (25).

2-237 GI/94

Fig. 2



(Comp. 17 pages;

Drwgs. 5 sheets)

Ind. Cl.: 131 B3 [GROUP—XXVII(3)]

174068

Int. Cl.: C 09 K 7/02.

MINERAL-OIL-FREE INVERT DRILLING FLUID COMPOSITION.

Applicant: HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF GERMANY, OF HENKELSTRASSE 67, 4000 DUSSELDORF-HOLTHAUSEN/GERMANY AND BAROID DRILLING FLUIDS, INC. OF 3000 NORTH SAM HOUSTON PARKWAY EAST, HOUSTON, TEXAS 77032 USA.

Inventors :

- (1) HEINZ MULLER.
- (2) DR. CLAUS-PETER HEROLD.
- (3) DR. STEPHAN VON TAPAVICZA.
- (4) DOUGLAS JOHN GRIMES.
- (5) JEAN MARCH BRAUN.
- (6) STUART P T SMITH.

Application No. 800/MAS/89 filed on 1st November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims (No drawing)

Mineral-oil-free invert drilling fluid composition with a continuous oil phase based on ester oil suitable for the off-shore development of oil and gas sources comprising 5 to 45% by weight of a disperse aqueous phase; 95% to 55% by weight of an oil phase containing ester oils, emulsifiers such as herein described preferably in an amount of 2.5 to 5% by weight based on the oil phase; a viscosifying agent such as herein described preferably in an amount of 2 to 4% by weight based on the weight of oil phase; fluid loss additives such as herein described preferably in an amount of 5 to 7% by weight based on the weight of the oil phase and optionally other standard additives wherein the said oil phase consists of esters of monofunctional alcohols containing 2 to 12 carbon atoms, preferably 4 to 12 carbon atoms and aliphatically saturated monocarboxylic acids containing 12 to 16 carbon atoms or mixing thereof with substantially equal quantities of monocarboxylic acid as the oil phase or as at least a part of the oil phase and the said esters having a Brookfield (RVT) viscosity at 0 to 5°C of no more than 50 mpa.s.

(Comp. 29 pages).

Ind. Cl. : 39-C (GROUP—III).

174069

Int. Cl. : C 01 C 1/24.

A PROCESS FOR THE PREPARATION OF CRYSTALLINE HYDROXYLAMMONIUM SULFATE HAVING A LOW AMMONIUM SULFATE CONTENT.

Applicant : BASF AKTIENGESellschaft, A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : HUGO FUCUS, GERALD NEUBAUER, JOSEF RITZ, FRANZ-JOSEF WEISS.

Application No. 297/MAS/90 filed April 18, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims (No drawing)

A process for the preparation of crystalline hydroxylammonium sulfate having a low ammonium sulfate content from an aqueous solution which, in addition to hydroxylammonium sulfate, contains ammonium sulfate and sulfuric acid, the said process comprising the steps of :

- (a) bringing the said aqueous solution which contains from 0.02 to 0.3 part by weight of ammonium sulfate and from 0.02 to 0.2 part by weight of sulfuric acid per part by weight of hydroxylammonium sulfate into contact with a basic ion exchanger and obtaining an aqueous hydroxylammonium sulfate solution which has a pH of from 3.0 to 4.0.
- (b) separating off the basic ion exchanger from the aqueous hydroxylammonium sulfate solution.
- (c) evaporating down the resulting aqueous hydroxylammonium sulfate solution under reduced pressure at temperature less than 100°C and obtaining

a concentrated aqueous hydroxylammonium sulfate solution.

- (d) crystallizing out not more than 70% by weight of the amount of hydroxylammonium sulfate present in the concentrated aqueous hydroxylammonium sulfate solution to give crystalline hydroxylammonium sulfate and a mother liquor, and

- (e) isolating the crystalline hydroxylammonium sulfate from the mother liquor.

(Com. 11 pages).

Ind. Cl. : 48-A₄ & D₂.

174070

Int. Cl. : H 05 K 3/00.

A SELECTIVE PLATING METHOD OF MANUFACTURING HIGH ASPECT RATIO PLATED-THROUGH-HOLE PRINTED CIRCUIT BOARDS WITH SOLDER-MASK ON BARE COPPER CONDUCTORS AND A PRINTED CIRCUIT BOARD MANUFACTURED THEREBY.

Applicant : MICROPACK LIMITED, PLOT NO. 16, JIGANI INDUSTRIAL AREA, ANEKAL TALUK, BANGALORE-562106, KARNATAKA STATE, AN INDIAN COMPANY.

Inventors :

- (1) VEDU MITTER.
- (2) COIMBATORE RAJAGOPAL UMANATH.

Application No. 171/MAS/90 filed March 8, 1990.

Complete Specification left : October 29, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A selective plating method of manufacturing high-aspect ratio plated-through hole printed circuit boards with solder mask on bare copper conductors comprising the following sequence of operations in which, a double-sided copper clad laminate is drilled, deburred, surface treated and catalyzed and then the circuit pattern is transferred through screen printing or photoimaging, and the unwanted copper etched off, resist stripped, soldermask printed and then electroless copper plated to full required thickness; and thereafter terminal pads and holes are selectively soldercoated through hot-air-levelling.

(Comp. 12 pages;

Drwgs. 5 sheets)

Ind. Cl. : 90-K (GROUP—XXXVI)

174071

Int. Cl. : C 03 B 5/187.

A MOLTEN GLASS FEEDER BOWL WITH A TUBE STRIRRR ELEMENT.

Applicant : OI-NEG TV PRODUCTS INC., A CORPORATION OF THE STATE OF DELAWARE, USA, OF ONE SEAGATE, TOLEDO, OHIO 43666, UNITED STATES OF AMERICA.

Inventor : WILLIAM F. REHRING.

Application No. 391/MAS/92 filed June 25, 1992.

Divisional to Patent Application No. 202/MAS/89; Antedated to March 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A molten glass feeder bowl with a tube stirrer element comprising an outlet at its bottom for discharging glass to a forming machine, a unitary ceramic casting having a lower hollow cylindrical tube portion and an upper hollow portion

which is radially larger than said lower portion, an elongated stirring means connected to said upper portion and disposed vertically alongside and spaced from the outside wall of said lower tube portion, a collar portion adjacent the outer end of said upper portion, said collar portion having a radially outwardly projecting annular lip, a frame having an annular member encircling said collar portion of said casting, a rotatable inner ring casting having a radially inwardly projecting ledge, said lip being supported on said ledge, connecting means for rotatably connecting the inner ring casting and said annular member of the frame for rotating the former in the latter, driven means attached to the inner ring casting, and power drive means engaging said driven means for rotating said ring casting and the unitary ceramic casting suspended thereon.

(Comp. 13 pages;

Drgs. 5 sheets)

Ind. Cl. : 172 C2

174072

Int. Cl.¹ : D 01 G 19/06.

A CIRCULAR COMB SEGMENT FOR FIXING ON A CIRCULAR COMB ROLLER OF A COMBING MACHINE.

Applicant: MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR SWITZERLAND.

Inventor: HANSURICH EICHENBERGER.

Application No. 270/Mas/89 filed on 10th April 1989.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

11 Claims

A circular comb segment for fixing on a circular comb roller of a combing machine, comprising a base having an outer cylindrical peripheral surface extending from a front edge to a rear edge and having either combing needles or clothing points extending from said front edge, a free space in peripheral direction in front of a plane (E) passing through the axis of said peripheral surface and through the said front edge, said free space extending radially from said front edge over the entire thickness of said base and extending in the direction of the width of said base from the middle of said front edge to both sides over at least the major part of the width of said base.

(Comp. Specn. 13 pages;

Drg. 3 sheets)

Ind. Cl. : 152-E [GROUP—XII(2)]

174073

Int. Cl.¹ : C 08 L 63/00; 75/00.

A POLYMERIZABLE COMPOSITION.

Applicant: MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A., OF 3M CENTER, SAINT PAUL, MINNESOTA 55144, U.S.A.

Inventors:

(1) ROBERT J. DEVOE.

(2) MICHAEL C. PALAZZOTO.

Application No. 326/MAS/89 filed on April 28, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A composition comprising (i) a polymeric precursor containing at a ratio of 0.1: 99.9 to 99.9: 0.1 of (a) polyurethane precursors and at least one ethylenically unsaturated monomer other than a polyurethane precursor or (b) at least one epoxy containing monomer and at least one ethylenically unsaturated monomer other than an epoxy containing monomer, and (ii) a single component curing agent such as herein described containing essentially of 0.01 to 20 weight % of an organometallic salt capable of effecting simultaneous initiation of the components of the polymeric precursor when exposed to radiation.

(Comp. specn. 50 pages;

Drwg. 1 sheet)

Ind. Cl. : 105-C [GROUP—XLI(7)]

174074

Int. Cl.¹ : G 08 C 19/10.

CAPACITANCE-TYPE MEASURING APPARATUS.

Applicant: MITUTOYO CORPORATION, 01 5- 31-19, SHIBA 5-CHOME, MINATO-KU, TOKYO 108, JAPAN, A JAPANESE COMPANY.

Inventor: NILS I. ANDERMO.

Application No. 407/MAS/89 filed May 23, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Madras-600 002.

7 Claims

Capacitive-type measuring apparatus comprising:

first and second support members, said support members being relatively displaceable with respect to each other, and at least one of said support members being displaceable relative to a measurement axis;

electrode array means disposed on said first and second support members in relative alignment with said measurement axis for providing a plurality of discrete signal transmission paths each having a capacitive transfer function which varies in dependence on the relative positions of said first and second support members with respect to each other; said capacitive transfer function having a first component which varies over a first predetermined wavelength according to the position of the associated transmission path relative to a reference position on one of the support members, and a second component which varies according to a predetermined function of the displacement between said first and second support members over a second predetermined wavelength shorter than said first predetermined wavelength;

said electrode array means comprising:

a transmitter electrode array having at least one group of N adjacent transmitter electrodes spaced from each other relative to the measurement axis, wherein N has a value which is an integer multiple of four;

an array of first receiver electrodes disposed on said second support member in alignment with said measurement axis for a capacitively coupling differing portions of said first receiver electrode array with said transmitter electrode array in dependence on the relative positions of said supporting members;

said first receiver electrodes being spaced from each other relative to the measurement axis by a pitch P_{ro} defining a scale wavelength W_f , said at least one transmitter electrode group defining a transmitting wavelength W_f and the transmitter electrodes in each group being positioned within the group of respectively occupy predetermined group positions which span a distance greater than one wavelength W_f and each group position for corresponding to the relative position of a different one of a group of relative fine wavelength segment positions obtained by dividing the transmitting wavelength W_f into intervals corresponding to the fine wavelength, and dividing each intervals into N equal segments; and

detector electrode means for producing first and second outputs in response to excitation signals applied to said at transmitter electrode array, said detector electrode outputs individually varying in accordance with said first transfer function component and producing when combined a signal which varies in accordance with said second transfer function component;

excitation signal generating means for selectively generating groups of N excitation signals for application to the respective N electrodes of said at least one group of transmitter electrodes in a selected one of first and second spatial orders;

said first spatial order being defined by a first order of connection according to the sequence of positions of the transmitter electrodes relative to each other in said at least one transmitter electrode group, and said second spatial order

being defined by a second order of connection according to the sequence of relative fine wavelength segment positions in which the respective transmitter electrode group positions are arranged;

each of said groups of excitation signals comprising two sets of excitation signals which are phase inverted with respect to each other and in spatial phase quadrature when applied to said transmitter electrodes, and wherein the relative spatial phase positions occupied by the respective sets of excitation signals in each group of excitation signals successively incrementally change from one group to the next;

first control means for controlling said excitation signal generating means to selectively apply a pair of first and second ones of said groups of excitation signals to said at least one group of transmitter electrodes;

output signal selecting means for selecting a signal corresponding to said first and second detector electrode outputs or to said combined detector electrode output signal as an electrode array means output signal, and thereby producing successive first and second electrode array means output signals in response to said pair of excitation signal groups;

means for demodulating said first and second output signals to produce first and second demodulation signals, and for performing a dual ramp integration of said first and second demodulation signals wherein said first demodulation signal is integrated for a predetermined time interval by integrator means, and said second demodulation signal is integrated by said integration means until the integrator output returns to a reference level, said first and second ones of said groups of excitation signals being selected such that said integration of said second demodulation signal causes integration of the integrator output in the reverse direction from said integration of said first demodulation signal output;

measuring means for measuring the integration time of said second demodulated signal integration and for producing an output when the integration time exceeds a predetermined limit value;

second control means responsive to said output of said integration time measuring means for resetting said demodulation and dual ramp integration means, for repetitively selectively applying a different further pair of first and second ones of said groups of excitation signals to said at least one group of transmitter electrodes, and for causing said demodulation and dual ramp integration means to integrate the resultant first and second demodulation signals until there is no output from said integration time measuring means;

first computing means for producing a scale position value signal when said measuring means does not produce an output;

master control means for controlling said excitation signal generating means and said output signal selecting means to perform a measurement cycle in which said first computing means successively produces:

a first scale position value signal from a second demodulation signal produced from a second electrode array means output signal corresponding to said first and second detector electrode outputs produced in response to a group of excitation signals generated in said first spatial order;

a second scale position value signal M_m from a second demodulation signal produced from a second electrode array means output signal corresponding to said combined detector electrode output signal produced in response to a group of excitation signals generated in said first spatial order; and

a third scale position value signal M_f from a second demodulation signal produced from a second electrode array means output signal corresponding to said first and second detector electrode outputs produced in response to a group of excitation signals generated in said second spatial order; and

second computing means for combining said first, second and third scale position value signals to produce an absolute position measurement signal;

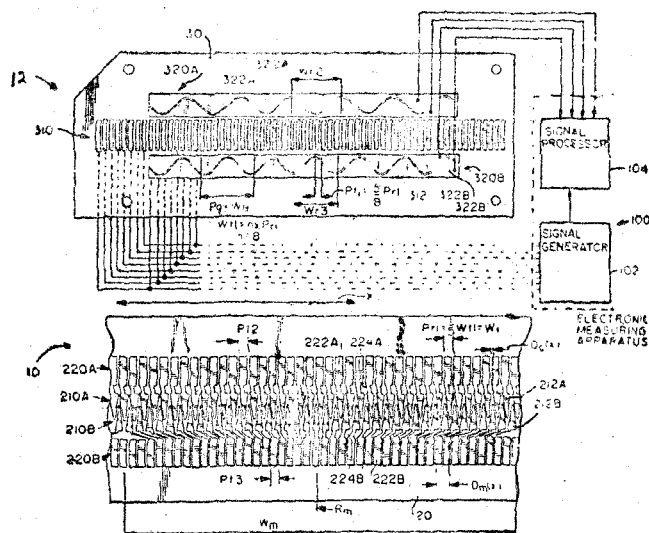
each of said groups of N excitation signals being assigned an index value K which ranges between 1 and N , and said first and second control means being configured for selecting

the first one of said excitation signal groups in the initial pair of excitation signal groups according to a predetermined initial value of K , at the beginning of each portion of the measurement cycle for generating successive pairs of excitation signal groups to produce a scale position value signal, and thereafter the value of K is incremented or decremented in accordance with the polarity of the first demodulation signal integration result to produce a new value of K for selecting the next first one of said excitation signal groups in the next further pair of excitation signal groups;

said first computing means being configured to compute said scale position value signal M_c according to the value of K which resulted in said measuring means not producing an output during the portion of the measurement cycle for producing said signal M_c multiplied by a first predetermined constant, and adjusted according to the polarity of the first demodulation signal integration result for the next further pair of excitation signal groups causing said measuring means not to produce an output, and the time required for integration of the second demodulation signal for the pair of excitation groups causing said measuring means not to produce an output, unless the computed value is outside a predetermined range, in which case a further wrap-around calculation is performed to convert the computed value to a value within the range;

said first computing means being further configured to compute said scale position value M according to the value of K which resulted in said measuring means not producing an output during the portion of the measurement cycle for producing said signal M multiplied by a second predetermined constant, and adjusted according to the polarity of the first demodulation signal integration result for the pair of excitation signal groups causing said measuring means not to produce an output, and the time required for integration of the second demodulation signal for the pair of excitation groups causing said measuring means not to produce an output, unless the computed value is outside a predetermined range, in which case a further wrap-around calculation is performed to convert the computed value to a value within the range;

and said first computing means being further configured to compute said scale position value signal M_f according to the value of K which resulted in said measuring means not producing an output during the portion of the measurement cycle for producing said signal M_f , multiplied by a third predetermined constant, and adjusted according to the polarity of the first demodulation signal integration result for the pair of excitation signal groups causing said measuring means not to produce an output, and the time required for integration of the second demodulation signal for the pair of excitation groups causing said measuring means not to produce an output, unless the computed value is outside a predetermined range, in which case a further wrap-around calculation is performed to convert the computed value to a value within the range.



Ind. Cl.: 42 D
Int. Cl.⁴: A 24 B 15/00.

174075

A HEAT SOURCE FOR USE IN A SMOKING ARTICLE AND A PROCESS FOR MAKING THE SAME.

Applicant: PHILIP MORRIS PRODUCTS INC., A CORPORATION INCORPORATED IN THE STATE OF VIRGINIA, U.S.A. OF 3601 COMMERCE ROAD RICHMOND, VIRGINIA 23234, U.S.A.

Inventors:

1. WILLIAM ANTON NYSTROM.
2. LEO C LANZEL.
3. HARRY VINCENT LANZILLOTTI.
4. CHARLES R. HAYWARD.
5. A. CLIFTON LILLY, JR.
6. JOHN ROBERT HEARN.

Application No. 545/Mas/89 filed on 20th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

44 Claims

A heat source for use in a smoking article comprising a body of combustible carbon-containing material consisting of charcoal particles and one or more known additives, the said body having one or more longitudinal fluid passages therethrough wherein the or each passage is defined by a plurality of intersecting surfaces, the geometric surface area of said fluid passages being at least equal to the outside geometric surface area of the heat source.

(Comp. Specn. 27 pages;

Drgs. 2 sheets)

Ind. Cl.: 85 C, J
Int. Cl.⁴: F 27 D 3/14.

174076

APPARATUS FOR HANDLING MOLTEN MATERIAL.

Applicant: HOOGOVENS GROEP BV, A DUTCH COMPANY, OF P.O. BOX 10.000, 1970 CA IJMUIDEN, THE NETHERLANDS.

Inventor: JACOBUS VAN I AAR.

Application No. 917/Mas/89 filed on 12th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

16 Claims

Apparatus for handling molten material in a channel comprising a wear lining (2) a casing (8, 11) containing said wear lining (2) and pressure means (10) which are connected to the casing (8, 11) characterized in that the pressure means (10) are connected to an external, reactive member (9) rotated adjacent to at least side walls (8) of the casing such that the pressure acts on the wear lining (2).

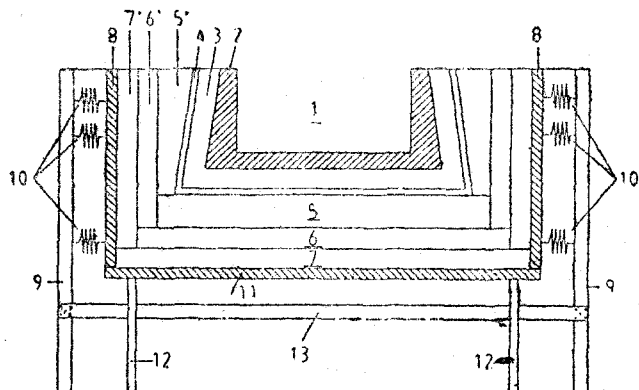


FIG. 1

(Comp. Specn. 16 pages;

Drg. 1)

Ind. Cl.: 128 G. I.
Int. Cl.⁴: A 61 M 1/14.

174077

RIGID SHELL BUBBLE TYPE BLOOD OXYGENATOR.

Applicant: SHREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY, BIOMEDICAL TECHNOLOGY WING, OF STATELMOD PALACE, TRIVANDRUM-695012, KERALA, INDIA, AN INDIAN ORGANIZATION.

Inventors:

1. BALAKRISHNAN NAIR. AJIT KUMAR;
2. DIVAKARA PANICKER SOLOCHANA NAGESH.
3. OMANA AMMA SREEDHARAN NEELAKANTAN NAIR.
4. ASWATH NARAYANAN VENKATA RAMANI.
5. RANJIT DIVAKARAN.
6. HARIKRISHNAN VIJAYAKUMAR.

Application on Provisional Specification No. 3/Mas/90 filed on 1st January 1990.

Complete Specification left 2-4-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), The Patent Office Branch, Madras-600 002.

7 Claims

A blood oxygenator comprising a blood oxygenating column having blood inlet port and oxygen inlet port and a blood defoaming column characterized in that said oxygen inlet port having an oxygen sparger is located at the bottom level of the oxygenating column below the level of the blood inlet port, the oxygenating column being partitioned within into multi-compartments for the longer duration of flow of blood-oxygen mixture, said oxygenating column being provided with a heat exchanger surrounding the same having fluid inlet and outlet ports, the oxygenator also having a defoaming unit surrounding said heat exchanger and made of defoaming material such as plastic sheets or nets and having a blood filter material, all the said components being housed within an external housing to make a compact unit.

(Provisional Specification 8 pages.)

(Comp. Specn. 15 pages;

Drgs. 2 sheets)

Ind. Cl.: 39 K

174078

Int. Cl.⁴: C 01 B 33/12.

A PROCESS FOR THE PRODUCTION OF HIGH PURITY PRECIPITATED SILICA FROM RICE HUSK ASH.

Applicant: INDIAN SPACE RESEARCH ORGANISATION (ISRO HEADQUARTERS), ANTARIKSH BHAVAN, NEW BEL ROAD, BANGALORE-560 054; INDIA A GOVERNMENT OF INDIA ORGANISATION KARNATAKA STATE.

Inventors:

1. R. NATRAJAN.
2. P. VENUGOPALAN.
3. B. VELAYUDHAN.
4. P. C. ABRAHAM.

Application and Provisional Specification No. 211/Mas/90, filed on 21 March 90.

Complete Specification left on 20 June 91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), The Patent Office Branch, Madras-600 002.

2 Claims

A process for the production of high purity precipitated silica from rice husk comprising the steps of mixing rice husk ash with 0.25 to 0.5 times by weight of caustic soda and 3 to 6 times by weight of water, heating the said mixture with steam to a temperature of 90 to 120°C to obtain a solution of sodium silicate, filtering the said sodium silicate solution to separate the sediments from the solution, adjusting the concentration of said solution to obtain a sodium silicate solution with 10 to 15% by weight of sodium silicate, neutralising the said solution with dilute mineral acids such as sulphuric acid or hydrochloric acid maintaining a temperature of 30 to 60°C, optionally adding 29 to 40 grams of ethylene diamine tetra acetic acid per kilogram of the silica content, heating the said neutralised solution to a temperature in the range of 80 to 98°C to precipitate silica, separating silica in a known manner followed by washing and drying to obtain purified silica.

(Provisional Specification 2 pages;

Drgs. Nil)

(Comp. Specn. 8 pages;

Drg. Nil)

Ind. Cl. : 32-F 8(b) [GROUP—IX(1)]

174079

Int. Cl.¹ : C 07 C 59/00.

A PROCESS FOR PREPARING TRANSGLYCOSYLASE INHIBITORS.

Applicant: HOECHST AKTIENGESellschaft, OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors :

- (1) WERNER ARUTZ.
- (2) EBERHARD EHLERS.
- (3) UDO HEDTMANN.

Application No. 65 MAS/92 filed January 31, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A process for preparing transglycosylase inhibitors represented by formula I of the accompanying drawings comprising subjecting phosphoglyco lipids to enzymatic cleavage in a culture medium consisting of glycine/NaOH buffer by treating the same with *Bacillus* sp. DSM 4675 or with lyophilized cells obtained therefrom, isolating and purifying the compound of the formula I from the reaction mixture by known means such as herein described.

(Comp. 14 pages;

Drwg. 1 sheet)

Ind. Cl. : 55-E₁ [GROUP—XIX(1)]

174080

Int. Cl.¹ : A 61 K 39/12.

AN IMPROVED PROCESS FOR PREPARING VACCINES FOR TREATING AIDS.

Applicant: RETROSCREEN LTD., 64 TURNER STREET, LONDON E1 2AD, ENGLAND, A BRITISH COMPANY.

Inventor : OXFORD JOHN SIDNEY.

Application No. 294/MAS/92 filed on May 15, 1992.

Convention date : May 17, 1991. (No. 9110808.4; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

An improved process for preparing vaccines for treating AIDS, comprising the steps of treating crude culture supernatant fluid containing an injected population of the HIV with an inactivating agent such as β -propiolactone in two stages, purifying the said culture by centrifugation, deaggregating the said purified virus, ballooning and subsequent deactivation with cholate, inactivating the opened cores of the virus by adding ethylenimine, inactivating the viral RNA and contaminating host cell DNA with RNase and DNase,

adjuvanting the inactivated virus and repeating the steps of virus disruption and inactivation, followed by reaggregation by treatment with digitonin and stabilisation of the vaccines produced by adding formaldehyde or glutaraldehyde.

(Com. 33 pages).

Ind. Cl. : 98 F

174081

Int. Cl.¹ : F 03 G 7/02.

A MULTIPURPOSE SOLAR ENERGY CONCENTRATOR.

Applicant and Inventor : T.A. VIJAN, No. 12 1st STREET, PARATHASARTHY NAGAR, ADAMBakkam, MADRAS-600 088.

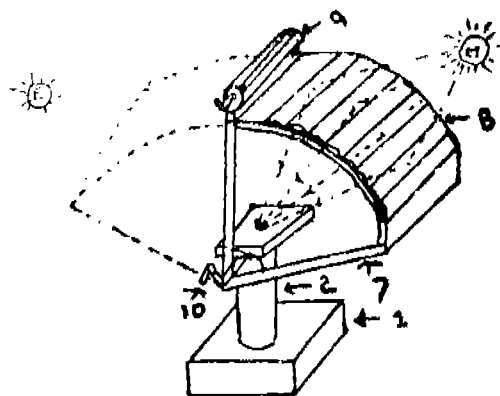
Application and Provisional Specification No. 76/Mus.89, filed on 30th January 1989.

Complete Specification left on 29-1-90.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), The Patent Office Branch, Madras-600 002.

4 Claims

A multipurpose Solar Energy concentrator comprising a base plate fixed to the ground, the said base plate having on its upper surface a vertical pillar, the said pillar having at its top a platform, the said pillar having on each side a side arm, the said side arms having joints on its ends, the said joints supporting the lens support frame, the said lens support frame having on its upper end a series of lenses arranged in the said frame, the said lenses having a uniform focal length such that all the rays falling on all the lenses are brought to focus on the said platform, the said lenses support frame has on one side a shift handle, the said shift handle shifts the lens support frame from the east to west on the said joint of the said side rods, the said platform having a heater, a cooler, or photo voltaic array, spread on the said platform such the solar energy always fall on the said apparatuses placed on the said platform and providing a concentrated placed on the said platform and providing a concentrated heat source, the said lenses is provided with a cover, rolled in a box fixed to one end of the said lens support frame, such that the cover is rolled up in day and covered in the night or in dust, and rain.



(Prov. Specn. 3 pages).

(Comp. Specn. 6 pages.

Drg. 1 sheets)

Ind. Cl.: 172 C 1

174082

13 Claims

Int. Cl.: D 01 G 27/04.

AN AUXILIARY DEVICE FOR DRAWING IN A LAP SHEET BETWEEN CALENDER ROLLERS OF A LAP WINDER.

Applicant: MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventor:

1. PAUL SCHEURER.
2. PETER BACHINGER.

Application No. 275/Mas/89 filed on 12th April 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972). The Patent Office Branch, Madras-600 002.

2 Claims

An auxiliary device for drawing in a lap sheet between calender rollers of a lap winder, said device comprising an arcuate plate having at least a front part curved about an axis transverse to said plate for passing longitudinally into a gap between two calender rollers about one of the rollers; and a flexible flat structure secured to a trailing end of said plate to receive a lap sheet thereon, said flat structure being made of foil and/or cloth.

(Comp. Specn. 10 pages:

3 sheets)

Ind. Cl.: 108 C₁₁

174083

3 Claims

Int. Cl.: C 21 c 5/56

A CONTINUOUS PROCESS FOR THE PRODUCTION OF STEEL STRIPS OR SHEET STEEL AND AN APPARATUS FOR THE SAME.

Applicant: MANNESMANN AKTIENGESSELLSCHAFT OF MANNESMANNUFER 2 D-4000 DUSSELDORF 1 FEDERAL REPUBLIC OF GERMANY AND GIOVANNI ARVEDI OF VIA MERCATELLO 26 I-25100 GREMONA ITALY.

Inventors: (1) GIOVANNI ARVEDI (2) GIOVANNI GOSIO (3) ULRICH SIEGERS, (4) KLAUS BRUCKNER, (5) PETER MEYER, (6) WERNER RAHMFELD, (7) FRITZ-PETER PLESCHUTSCHNIG, (8) ERNST WINDHAUS.

Application No. 399/Mas/89 filed on 18th May, 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras

A continuous process for the production of steel strips or sheet steel comprising the steps of preliminary casting steel in a mould having a guide frame in an arch form, deforming the said flat steel in a first deformation stage at a temperature exceeding 1100°C, reheating the same deformed steel strips along its entire cross-section to a temperature up to 1100°C by temperature equilization process, reeling the said strip and cutting the rolled strip after the preliminary casting, unreeling the said rolled strip and subjecting the same to further deformation at a rolling speed corresponding to the desired reduction.

(Compl. Specn. 20 pages

Drwgs. 3 sheets)

Ind. Cl.: 95 H. 127 I

174084

Int. Cl.: F 16 H 25/20

A NOVEL SPLIT TYPE VERTICAL LIFT SCREW DRIVE MECHANISM.

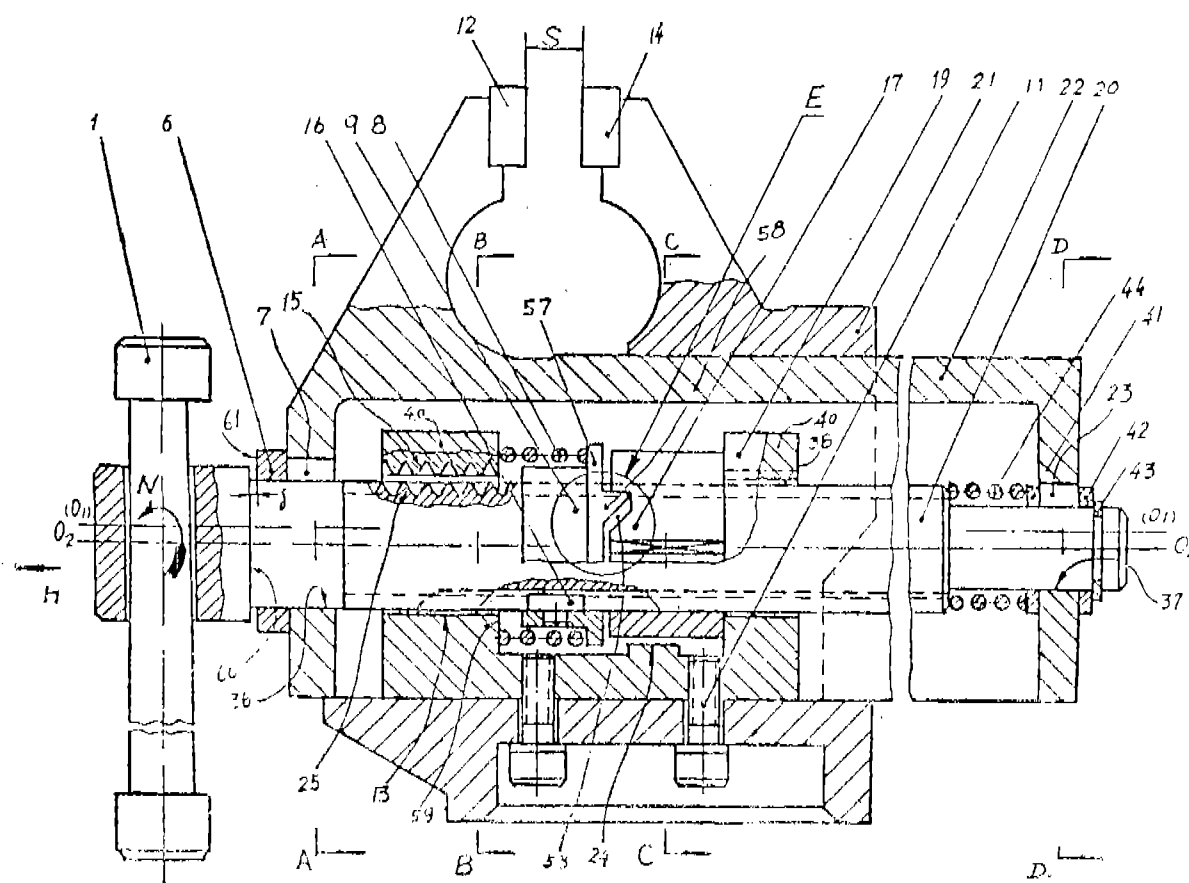
Applicant: FAN, CHAOLAI, A CHINESE CITIZEN OF 112 STALIN ST, CHANGCHUN, JILIN PROVINCE PR OF CHINA.

Inventor: FAN CHAOLAI.

Application No. 411/Mas/89 filed on 24th May 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office Branch, Madras-600 002.

A novel split type vertical lift screw drive mechanism comprising a movable body, a stationary body, a screw, an eccentric cam, a nut seat and a one-way pawl pin, the pawl end of the said pawl pin has a vertical surface and an oblique surface, the other end of the said pawl pin is provided with a plurality of grooves for receiving a plurality of extension springs, the said eccentric cam is located between two walls of the said nut seats and is provided with a radial hole for receiving the said extension spring along the circumference of the said cam, the said nut seat being in the form of saddle is fixed on the said stationary body and has a lower half hole having threads suitable to engage with threads of the said screw, front end and back end plates of the said movable body are provided with long-circular holes, the said screw is provided with a plurality of one way pawl grooves along its axial direction formed by the said vertical surface and the said oblique surface, and two end necks of the said screw are locked in said long circular holes for moving the said screw up and down only in the vertical direction.



(Compl. Specn. 25 pages)

(Drgs. 11 sheets)

Ind. Cl.: 172 C_a

174085

Int. Cl.⁴: D 01 G 19/00**A SLIVER GUIDE FOR A COMBING MACHINE.**

Applicant: MASCHINENFABRIK RIETER AG A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH-8406 WINTERTHUR SWITZERLAND.

Inventor: HELFRIED LANG.

Application No. 424/Mas/89 filed on 30th May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

10 Claims

A sliver guide for a combing machine comprising a sleeve (11) mounted rotatably on an inner element (22) fixed on the delivery table (3), said sleeve having a radially outwardly projecting flange (15) adjacent the surface of the delivery table (3) to support the sliver in such a way that the combed sliver runs around the sliver guide while being supported by the said flanges before entering the rotatably mounted sleeve. the rotation of the sleeve eliminating sliding friction of the sliver and preventing deposition of dirt and the like on the sleeve.

(Comp. Specn. 8 pages)

(Drg. 1 sheet)

Ind. Cl.: 31-C

174086

Int. Cl.⁴: H 01C 7/13**A CURRENT CONTROLLED VARIABLE RESISTOR AND A PROCESS FOR THE MANUFACTURE THERE-OF.**

Applicant: INDIAN INSTITUTE OF SCIENCE, AN INDIAN INSTITUTE OF BANGALORE, BANGALORE-560 012, KARNATAKA, INDIA.

Inventors: (1) MANDAVILLI SATYAM (2) KRISHNASWAMY RAMKUMAR (3) MIRIYALA VENKATA SATYA LAKSHMI.

Application and Provisional Specification No. 500/Mas/89 filed on June 28, 1989.

Complete Specification left: September 11, 1990.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

10 Claims

A current controlled variable resistor comprising a metallic substrate and a super conducting coating thereon characterized in that said metallic substrate has a high temperature super conducting dry thick film of 20 to 80 μ made of a paste of Y_2O_3 , $RaCO_3$, CuO , in the weight proportions of 200, 700 and 422 mg respectively.

(Prov. 6 pages.)

(Comp. 9 pages;)

(Drgs. 2 sheets)

Ind. Cl.: 94 G

174087

Int. Cl.⁴: B 02 c 4/00**APPARATUS FOR RECONDITIONING TABLE OF ROLLER MILL.**

Applicant: KURIMOTO LIMITED. A JAPANESE COMPANY OF 12-19 KITAHORIE 1-CHOME, NISHI-KU, OSAKA, JAPAN AND CONSOLIDATED METAL SERVICES INC. A US COMPANY OF 700 EAST 10TH STREET, PO BOX 563, CHATTANOOGA, TENNESSEE 37401, USA.

Inventors : (1) TOSHIYUKI ASHIDA (2) HISAO YOSHIDA (3) SHIGEAKI SUGIOKA.

Application No. 580/Mas/89 filed on 4th August, 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

2 Claims

An apparatus for reconditioning a table of a roller mill comprising, a drive means consisting a DC variable motor shaft to combine a reduction gear through the coupling, the said reduction gear provides a sprocket which is connected to a rotate shaft of the mill table through chain links, the drive means capable of being attached to halfway of a driving mechanism for the table at a place where the roller mill is originally installed substituting for said driving mechanism for the table from said halfway on an freely controlling speed of rotation; torch control means for controlling position of a torch in such a manner so as to follow a worn surface of the table; and an automatic continuous welding machine; said drive means, control means and automatic continuous welding machine being portable.

Comp. Specn. 15 pages

Drgs. 5 sheets

Ind. Cl. : 151 G

174088

Int. Cl. : F 16 L 1/02, 55/18

A METHOD AND DEVICE FOR MANUFACTURING A LINED PIPELINE IN AN EXISTING CONDUIT.

Applicant : NU-PIPE, INC., 3315 DEMOCRAT ROAD, MEMPHIS, TN 38118, U.S.A.; AN OREGON CORPORATION.

Inventor : CAMPBELL H. STEKETEE, JR.

Application No. 714/Mas/89 filed on 25th September, 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Madras.

19 Claims

A method of manufacturing a lined pipeline in an existing conduit, comprising the steps of;

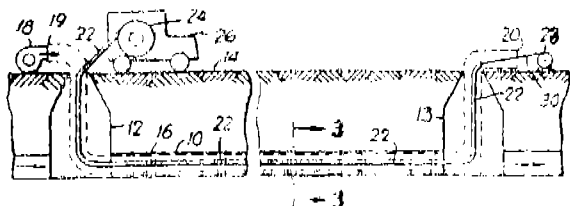
inserting a flexible tubular member into the length of existing conduit to be lined such that at least one of the opposite ends of the tubular member is accessible at an end of the length of conduit,

inflating the tubular member to at least a partially rounded condition,

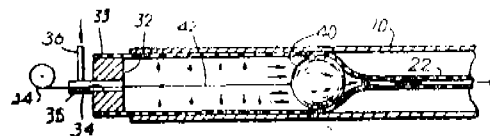
inserting a length of normally substantially rigid thermoplastic pipe in a collapsed condition into the tubular member such that the rigid thermoplastic pipe extends the length of the conduit to be lined,

restricting at least one end of the tubular member with the collapsed rigid thermoplastic pipe inside and forcing a hot fluid into the tubular member from the other accessible end thereof to cause the hot fluid to flow through the tubular member and through the collapsed thermoplastic pipe to heat the thermoplastic pipe inside and outside throughout its length and thereby render the normally rigid collapsed thermoplastic pipe flexible, and

applying an internal expansion pressure to said thermoplastic pipe when flexible to reform the pipe to a rounded condition within the conduit.



3—237GI/94



Comp. Specn. 31 pages

Drgs. 4 sheets

Ind. Cl. : 140-A₁ & 2

174089

Int. Cl. : C 10 M 119/00

PROCESS FOR PREPARING A DISPERSANT/VI IMPROVER.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLANDT LAAN 30, THE HAGUE 2596 HR, THE NETHERLANDS.

Inventors : (1) ARIE VAN ZON (2) GERARDA JACOB KLAVER.

Application No. 743/Mas/89 filed on October 11, 1989.

Convention date : October 13, 1988; (No. 8824037, United Kingdom).

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims (No drawing)

Process for preparing a dispersant/VI improve which comprises

(1) reacting an alpha-beta unsaturated carboxylic acid or reactive derivative thereof with a selectively hydrogenated—shaped polymer comprising a polyvinylaromatic nucleus and at least 4 polymeric arms linked to said nucleus wherein said polymeric arms are selected from the group consisting of ;

(i) Hydrogenated homopolymers and hydrogenated copolymers of conjugated dienes;

(ii) hydrogenated copolymers of conjugated dienes and monoalkenyl arenes; and

(iii) mixtures thereof;

wherein at least 80% of the aliphatic unsaturation of the star-shaped polymer has been reduced by hydrogenation while less than 20% of the aromatic unsaturation has been reduced; and

(2) reacting the activated star polymer thus formed with;

(a) a long chain alkane-substituted carboxylic acid or reactive derivative thereof, and (b) aC₁ to C₈ amine containing 1 to 8 nitrogen atoms and/or an alkane polyol having at least two hydroxy groups; or with (c) the preformed product obtained by reacting (a) and (b).

(Compl. Specn. 27 pages)

Ind. Cl. : 168 C

174090

Int. Cl. : H 03 k 17/00

A REMOTE CONTROL SWITCH.

Applicant & Inventor : ASHOK MAHADEVAN, AN INDIAN, RESIDING AT 12/A, RATNAVILASA ROAD, BASAVANAGUDI, BANGALORE-560 004, KARNATAKA STATE, INDIA.

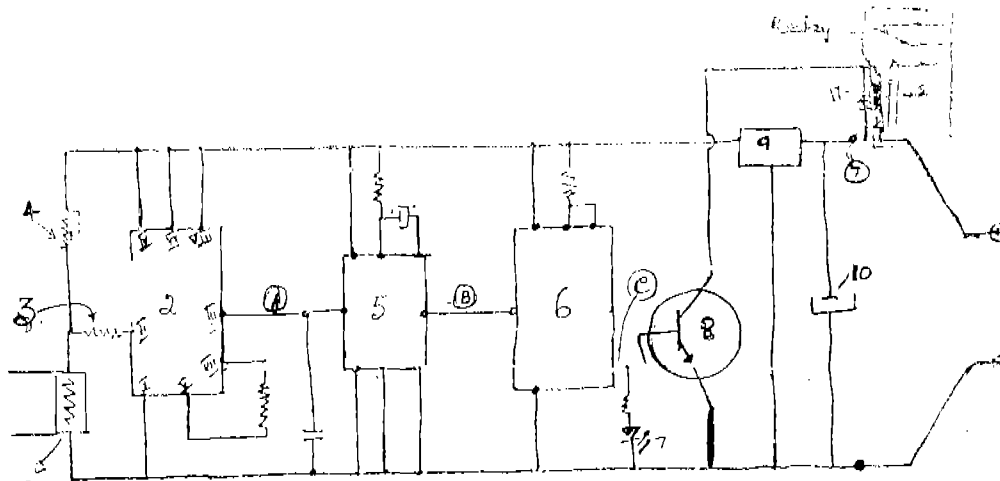
Application No. 937/Mas/89 filed on 22nd December, 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

5 Claims

A remote control switch which consists of an LDR being connected to, in series a timer circuit (I, C), a monostable

multibrator, a negative edge triggered dual J-K flip-flop, a NPN transistor and a relay.



Comp. Specn. 8 pages

Drgs. 3 sheets

Cl.: 147 C

174091

Int. Cl.: G 11 B 5/00

LONGITUDINAL MAGNETIC TAPE RECORDING SYSTEM.

Applicant: N. V. PHILIPS' GLOEILAMPENFABRIEKEN OF GROENEWOUDSEWEG 1, EINDHOVEN, THE NETHERLANDS.

Inventors: (1) JOHANNES CORNELIUS ANTONIUS MULLER AND (2) ABRAHAM HOOGENDOORN.

Application No. 66/Ca/1990; filed on 25th January, 1990.

Appropriate Office for opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

16 Claims

A longitudinal magnetic tape recording system comprising at least an apparatus of a first type and a cassette having a housing, which housing comprises two substantially parallel main walls and a plurality of transverse walls and accommodates two reels and a magnetic tape, which magnetic tape is wound at least partly on one of the reels and extends partly between the two reels across an opening formed in one of the transverse walls of the housing, which apparatus is constructed to cooperate with the cassette in a first position of the cassette and in a second position of the cassette, which second position is rotated through at least substantially 180° relative to the first position about an axis which extends parallel to the main walls perpendicularly to the transverse wall formed with the opening and through the centre of said transverse wall which apparatus comprises magnetic-head means of the first type comprising at least one magnetic head for reading and/or writing information in analog form on the magnetic tape, and tape-transport means for the transport of the magnetic tape past the magnetic-head means with a speed of transport, characterized in that the system comprises at least two types of apparatus, i.e. in addition to the apparatus of a first type, being said apparatus comprising magnetic-head means of a first type, the system comprises an apparatus of a second type, which is constructed to cooperate with said cassette and which comprises magnetic-head means of a second type, which is constructed to read and/or write information in digital form in longitudinal tracks on magnetic tape and that the magnetic-head means of the second type is constructed also, to at least read information in analog form from the magnetic tape.

Cl.: 112 C

174092

Int. Cl.: F 21 V 5/04

COVER LENS FOR LIGHT.

Applicant: MDT CORPORATION, TORRANCE TECHNOLOGY CENTRE 2300 205TH STREET TORRANCE, CALIFORNIA 90501. UNITED STATES OF AMERICA.

Inventor: BRUCE ARRINGTON SANBORN.

Application No. 139/Ca/1990; filed on 14th February, 1990.

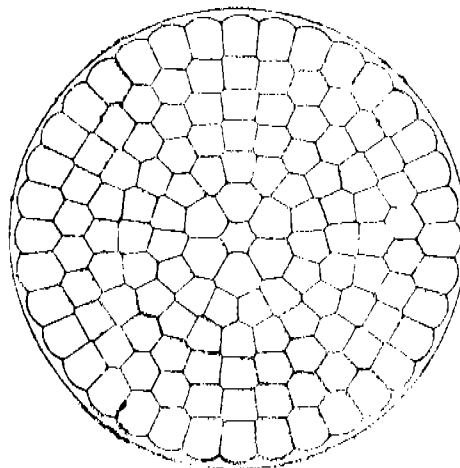
Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972 Patent Office, Calcutta.

17 Claims

An improved lens element for focussing a light source to produce a concentrated spot of light on a work area, said lens element comprising;

a first surface and a second surface approximately parallel to said first surface; characterized in that

a plurality of plano-concave negative lenses disposed in an array throughout a light path region of said lens said array being formed from spherical depressions in open communication with said first surface, each said depression overlapping adjacent depressions.



Compl. Specn. 19 pages.

Drgs. 5 sheets

Compl. Specn. 12 pages

Drgs. 2 sheets.

Cl. : 195-D.

174093

Int. Cl.⁴: F 16 K 37/00**A VISUAL INDICATOR FOR A VALVE ACTUATOR.**

Applicant : LIMITORQUE CORPORATION OF 5114 WOODALL ROAD, P.O. BOX 11318, LYNCHBURG, VA 24506-1318, UNITED STATES OF AMERICA.

Inventors : (1) ROBERT WAYNE AUXIER, AND (2) IVAN EUGENE WILKINSON.

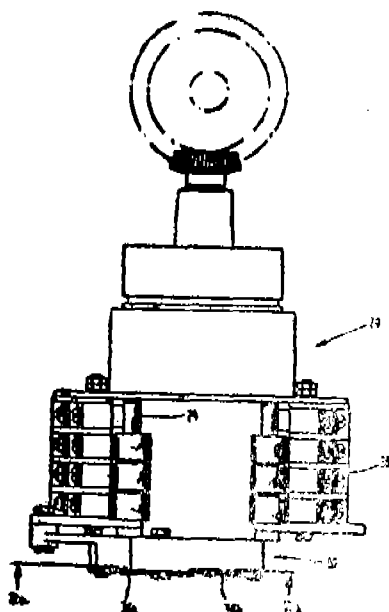
Application No. 150/Cal/1990; filed on 16th February 1990.

Appropriate Office for opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

7 Claims

A visual indicator for a valve actuator, that controls a valve stem, that is attached directly to the outer ends of rotors connected to the geared limit switch of said actuator, comprising :

- (a) housing means attached to the valve actuator;
- (b) a first means inside said housing means connected to a first rotor and rotatable therewith to drive a first lug;
- (c) a second means inside said housing means connected to a second rotor and rotatable therewith to drive a second lug;
- (d) a gear means concentric with said first means and responsive to drive force exerted by said first lug;
- (e) a third means concentric with said second means and responsive to drive force exerted by said second lug;
- (f) linking means connecting said third means and said gear means; and
- (g) indicator means connected to said first gear means and controllably rotatable between predetermined positions to show relative location of the valve stem.

**Fig. 1**

Compl. Specn. 16 pages

Drgs. 3 sheets

Cl. : 58-B

174094

Int. Cl.⁴: E 06 B 1/00.**FIRE-PROOF DOOR.**

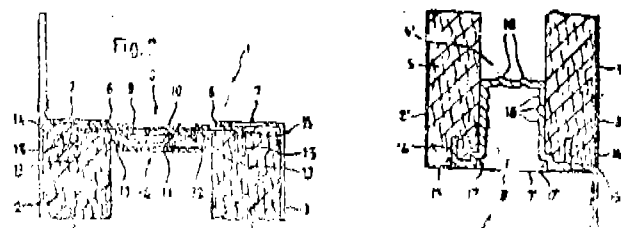
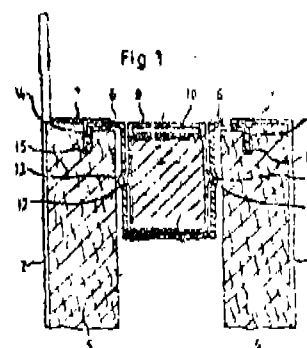
Applicant & Inventor : THEO SCHRODERS, OF GERHARD-WELTER-STRASSE 7, D-5140 ERKELENZ, WEST GERMANY.

Application No. 223/Cal/1990; filed on 19th March, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

5 Claims

The fire-proof door from a box shaped door leaf containing mineral fibre plates, the projection sides of which are formed at least partly by angled off marginal strips of the covering sheet, whereby the door leaf contains a frame which is formed from a profile with a groove angled off in the plane of the door leaf for the longitudinal marginal strip showing the inside of the door leaf, and with a groove opening to the front sides of the door leaf wherein each longitudinal marginal strip (14) of the profile forming the frame (4) catches into a front side groove (15) of a mineral fibre plate (5), which extends over the inner side of each one of the cover sheet (2, 3).



Compl. Specn. 9 pages.

Drgs. 3 sheets

Cl. : 128-G

174095

Int. Cl. : A 61 B 10/00.

DEVICE FOR TREATMENT OF SINUSITIDES.

Applicant : YAROSLAVSKY MEZHOTRASLEVOI
NAUCHNO-TEKHNICHESKY TSENTR, USSR. YAROS-
LAVL, ULITSA KIROVA, 9, SOVIET SOCIALIST RE-
PUBLIC.

Inventor : VLADIMIR SERGEEVICH KOZLOV.

Application No. 263/Cal/1990; filed on 30th March, 1990.

Appropriate office for opposition Proceedings (Rule 4,
Patent Rule, 1972) Patent Office, Calcutta.

1 Claim

A device for treatment of sinusitides, comprising an ob-
long flexible tubular body, an inflatable cuff provided on the
body between its ends, and inflatable balloon provided at
one of the body ends and communicating with the first of
two longitudinal passages provided in the body, the second
of said passages terminating between the cuff and the bal-
loon and communicating with the body surface through an
end opening thereof, wherein the improvement of said device
resides in that the body has a third passage, which commu-
nicates with the body outside surface through an opening
in its side wall, said opening being located between said end
opening of the second passage and the inflatable balloon.



FIG. 1

Compl. Specn. 7 pages

Drgs. 1 sheet

Cl. : 88 A. D.

174096

Int. Cl. : C 01 B 3/00

PROCESS FOR THE PRODUCTION OF METHANOL SYNTHESIS GAS.

Applicant : KRUPP KOPPERS GMBH. OF ALTENDER-
FER STRASSE 120, D-4300 ESSEN 1, WEST GERMANY.

Inventors : DR. ROLF WETZEL, AND (2) DR. BERN-
HARD FIRNHABER.

Application No. 415/Cal/90; filed on 21st May, 1990.

Appropriate office for opposition Proceedings (Rule 4,
Patent Rule, 1972) Patent Office, Calcutta.

5 Claims

Process for the production of methanol synthesis gas, hav-
ing a carbon monoxide/hydrogen ratio defined for the desired
synthesis reaction, by gasification (partial oxidation) of
fine-grained to pulverulent fuels at temperature of 600 to
1450°C the crude partial oxidation gas produced being cooled
indirectly in a waste-heat boiler downstream of the gasifier
with generation of steam and then being subjected to dedust-
ing, to catalytic CO shift conversion and to desulphuriza-
tion, characterized in that

- the crude partial oxidation gas is cooled further,
downstream of the waste-heat boiler, by addition of
converted circulating gas,
- the resulting gas mixture is subjected to dry dedust-
ing the temperature of said gas mixture being
lowered to values between 200 and 800°C,
- the gas mixture is then divided into a product gas
part stream and a circulating gas part stream,
- the product gas part stream is subjected to further
cooling, downstream gas scrubbing for removing
residual dust and other impurities, final cooling for

condensation of water vapour as well as desulphu-
rization and CO₂ removal and is then fed to the
synthesis reactor,

- the circulating gas part stream is saturated with
water vapour, including use of the condensate from
the final cooling of the product gas part stream,
and scrubbed at the dew point of the gas,
- the circulating gas part stream thus purified is sub-
jected to a CO shift conversion in the presence of
a sulphur-resistant catalyst for setting the required
carbon monoxide/hydrogen molar ratio and
- the converted circulating gas, after it has been cool-
ed down to the vicinity of its water vapour and
dew point and compressed to the desired extent
appropriately, is admixed to the crude partial oxi-
dation gas in stage (a).

Compl. Specn. 16 pages

Drgs. 1 sheet

Cl. : 53 A

174097

Int. Cl. : B 62 J, 1/00

A VEHICLE SEAT SUPPORT.

Applicant : ALLSOP, INC. OF 4201 MERIDIAN, BEL-
LINGHAM, WA 98226, UNITED STATES OF AMERICA.

Inventors : (1) JAMES DAVID ALLSOP, AND (2)
DAVID EARL CALAPP.

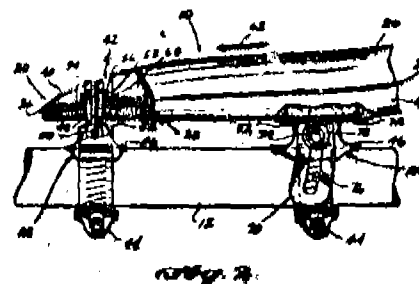
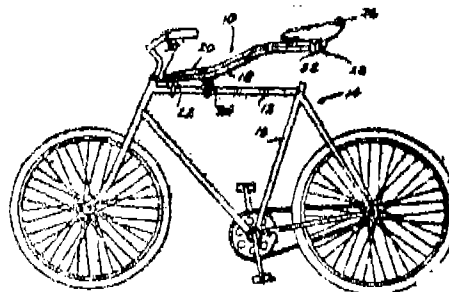
Application No. 484/Cal/1990; filed on 08th June, 1990.

Appropriate Office for opposition Proceedings (Rule 4,
Patent Rule, 1972) Patent Office, Calcutta.

10 Claims

A seat support for a vehicle comprising a combination
beam adapted for connection at one end to a vehicle frame
and adapted for connection at an opposite end to a vehicle
seat, said combination beam including :

a first portion adapted for being secured to the vehicle
frame, and a second portion connected to said first portion
and mounted to move with respect to said first portion in
response to bending loads placed on said combination beam
which cause said vehicle seat to move up and down.



Compl. Specn. 16 pages

Drgs. 2 sheets

Cl. : 195 C

174098

Int. Cl. : F 16 K 25/04

CONTROL VALVE WITH DISPLACEMENT-COMPENSATING SEAL.

Applicant : ZIMPRO PASSAVANT ENVIRONMENTAL SYSTEMS, INC. OF 301 WEST MILITARY ROAD, ROTHSCHILD, WISCONSIN 54474, UNITED STATES OF AMERICA.

Inventors : (1) KENT THOMAS DEPUYDT AND (2) JOSEPH STEPHEN TIKALSKY.

Application No. 2/Cal/1991; filed on 1st January, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

8 Claims

A pressure reducing control valve with displacement-compensating exterior seal, said valve and seal apparatus comprising;

a valve body with an inlet and an outlet and a fluid passageway therebetween, said valve body having an opening therein on the side opposite said outlet;

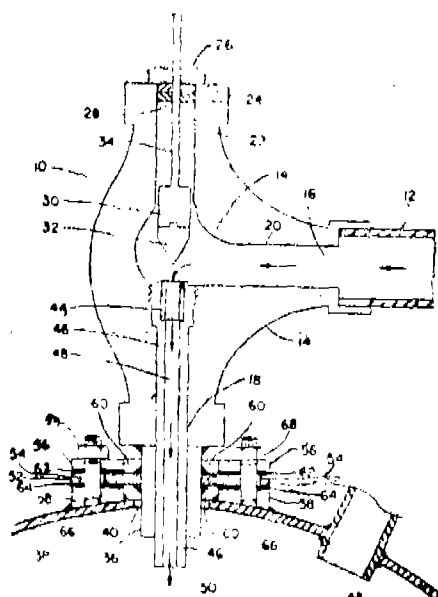
a sealing means within said opposite side opening with an aperture therein;

an outlet nozzle member connected to said valve body outlet, said nozzle member extending into a discharge receiving vessel through an aperture therein;

a valve seat and support assembly with longitudinal aperture therein, said seat and support assembly positioned within said passageway between said inlet and said outlet said support assembly extending from said passageway, through said outlet and beyond the end of said outlet nozzle member into said discharge receiving vessel;

a valve member in said passageway between said inlet and said outlet, said valve member movable toward said valve outlet for seating against said valve seat for sealing said passageway against fluid flow therethrough, said valve member extending through said aperture in the sealing means within said opening opposite the outlet, and extending beyond said valve body; and

sealing means between said outlet nozzle and said discharge receiving vessel adapted to allow displacement of said valve body and nozzle relative to said receiving vessel, while preventing escape of fluid entering said receiving vessel from said valve.



Compl. Specn. 15 pages

Fig. 1 sheet

Cl. : 35 B

174099

Int. Cl. : C 04 B 35/62

METHOD FOR PRODUCING CASTABLE REFRACTORY.

Applicant : ORISSA CEMENT LIMITED OF RAIGANGPUR-770017, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors : (1) DR. SHYAM LAXMAN KOLHATKAR, AND (2) RAVINDER KUMAR JHA.

Application No. 111/Cal/1991; filed on 07th February, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

3 Claims

A method for the production of castable refractory which comprises first intimately mixing (a) 80-90 parts by wt. of fireclay and/or fused and/or sintered and/or calcined high alumina material as herein described, (b) 3 to 10 parts by wt. of micronised alumina, zircon or silica or any combination thereof as herein described and (c) 4 to 10 parts by wt. of calcium aluminate cement to obtain a solid mixture, and then adding to this mixture, as the liquid component, mixture of (d) upto 10 parts by wt. of silica and/or colloidal silica and (e) chrome-alumino-phosphate additive in an amount of 0.01—1% by wt. of the total mixture immediately prior to casting, characterised by that stainless steel fibres in an amount of 0.1 to 2% by wt. are added to the aforesaid solid mixture before the addition of the liquid component.

Compl. Specn. 8 pages

Drg. Nil

Cl. : 55 B 1

174100

Int. Cl. : C 12 N 11/00

PROCESS FOR THE PREPARATION OF A COMPOSITE LIVING SKIN EQUIVALENT.

Applicant & Inventor : DR. MARK EISENBERG OF 6 LORD HOWE STREET, DOVER HEIGHTS, NEW SOUTH WALES, 2020, AUSTRALIA.

Application No. 786/Cal/1991; filed on 21st October, 1991.

Appropriate office for opposition Proceedings (Rule 4, Patent Rule, 1972) Patent Office, Calcutta.

5 Claims

A process for preparing a composite living skin equivalent which comprises :

- obtaining a skin sample and treating the sample enzymically in a manner as herein described to separate the epidermis from the dermis,
- applying enzymes to the epidermis to release keratinocyte cells, and treating in a manner as herein described the epidermal keratinocytes until confluence,
- treating the dermis enzymically to release fibroblast cells and treating in a manner as herein described the fibroblast cells until sub-confluence.

- (d) applying the cultured fibroblast cells to the porous, cross-linked collagen sponge membrane on one side with the cultured fibroblast cells from step (c), and incubating in a manner as herein described the inoculated sponge to allow the growth of fibroblast cells throughout the collagen sponge,
- (e) applying non-porous collagen to the other side of the cross-linked collagen sponge to form a layer and incubating it in a manner as herein described to polymerize the layer of non-porous collagen,
- (f) inoculating the polymerized layer from step (e) with the cultured keratinocytes from step (b), and incubating in a manner as herein described the composite skin equivalent thus formed to allow further cell growth.

Compl. Specn. 18 pages.

Drgs. 5 sheets

THE CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by DANLY—KOMATSU L. P. in connection with Patent Application No. 1020/MAS/90 (174062) has been allowed.

The Claim made by LYNXVALE LIMITED, CAMBRIDGE RESEARCH AND INNOVATION LIMITED and CAMBRIDGE CAPITAL MANAGEMENT LIMITED, has been allowed in connection with Patent Application No. 10/Mas/89, (174063).

The Claim made by LRC PRODUCTS LTD, in respect of Patent Application No. 24/MAS/89 (174064) has been allowed.

RENEWAL FEES PAID

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 155191 155457 156242 156900 157152 157310 157358 157359
 158198 158402 159073 159077 159091 159092 159200 159435
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 167338 167341 167399 167406 167454 167466 167531 167563
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 172295 172356 172386 172399 172400 172467 172516 172570

PATENT SEALED ON

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 172518* 172566 172567* 172577* 172579 172580 172629
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 172666*D 172667 172668 172670*D 172672*D 172677*
 172748*D 172750 172751*D 172757 172759 172760

Cal-15, Del-15, Mas-8 & Bom-2.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent.

CESSATION OF PATENTS

168553 168555 168558 168560 168561 168582 168586 143768
 148777 148779 149082 149215 149244 149255 149320 149382
 149925 149971 150087 150111 150328 150329 150412 150448
 150461 150523 150563 150606 150635 150732 150813 150929
 150952 151032 151059 151002

CANCELLATION PROCEEDINGS (SECTION-51A)

An application made by P. K. Precision Gears Pvt. Ltd. for cancellation of the registration of registered design Nos. 165714 to 165718 and 165723 in class 1 in the name of Wellman Incandescent India Ltd.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of patent No. 164299 dated the 29th January, 1987 made by Larsen & Toubro Limited on the 16th December, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 5th March, 1994 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 169092 dated the 18th November, 1986 made by Darya Paye Jetty Co., Ltd. on the 3rd November, 1993 and notified in the Gazette of India, Part III, Section 2, dated the 16th April, 1994 has been allowed and the said patent restored.

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for Period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration included in the entries.

Class 3. No. 165802 & 165805, Standipack Private Limited, 25 Community Centre, East of Kailash, New Delhi 110065, India, an Indian company, "POUCH", 28th June 1993.

Class 3. No. 165991, Standipack Private Limited, 25 Community Centre, East of Kailash, New Delhi 110065, India, an Indian company, "SPOUT", 5th August 1993.

- Class 3. No. 165787, Vikas electricals Udyog, A-69, Shastri Park, Furana Jamna Pul, Shahdara Road, Delhi-110053, India, an Indian partnership firm, "ADAPTER", 23rd June 1993.
- Class 3. No. 165746, Dalmiua Industries Limited, of 8th floor, Gapala Tower, 25 Rajendra Place, New Delhi-110008, India, "FLOW REGULATOR", 10th June 1993.
- Class 3. No. 165840, Castrol India Limited, an Indian company, Incorporated in India, White House, 91 Walkeshwar Road, Bombay-400006, Maharashtra, India, "CONTAINER", 5th July 1993.
- Class 3. No. 165867, Hiten Enterprises, of 101, Amrapali Society 09, Telli Galli, Andheri (E), Bombay-400069, Maharashtra, India, Indian Partnership firm, "HAIR DRESSING APPLIANCES", 14th July 1993.
- Class 3. No. 165848, Shingar Cosmetics Private Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Amrapali Shopping Centre, V. Mehta Road, Juhu Scheme, Bombay-400049, Maharashtra, India, "CONTAINER", 6th July 1993.
- Class 3. No. 165770, Apple Packs (P) Ltd., C-95, Shakti Nagar Extension, Delhi-110052, India (an Indian Company incorporated under the Companies Act, 1956), "BAT", 21st June 1993.
- Class 3. No. 165955 to 165957, Castrol India Limited, Incorporated in India, White House, 91 Walkeshwar Road, Bombay-400006, Maharashtra, India, "CONTAINER", 28th July 1993.
- Class 3. No. 165849, Indian Partnership, trading as L. D. Traders corporation, 29/3, Ramratan, T. H. Kataria Marg, Near Shree Cinema, Matunga (W), Bombay-400016, Maharashtra, India, "CONTAINER", 6th July 1993.
- Class 3. No. 165129, Sarita Die Works, J. Karia Industrial Estate, Building No. 3, 1st floor, Unit No. 97, 35/43, Mussa Killedar Street, Jacob Circle, Bombay-400 011, Maharashtra, India, "CARBOY", 21st December 1992.
- Class 3. No. 165688, Harsheel Gift, 1, Jayshree Apt., Arvind Colony, 148/A, S. V. Road, Irla, Vile-Parle (W), Bombay-400056, Maharashtra, India, an Indian partnership firm, "COASTER SET", 1st June 1993.
- Class 3. No. 165667, Eagle flask Industries limited, a company incorporated under the Companies Act, having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "CASSEROLE", 31st May 1993.
- Class 3. 165639, Milton Plastic Ltd., a company incorporated under the companies Act, 1956, having its office at 58D, Government Industrial Estate, Charkop, Kandivli (W), Bombay-400067, Maharashtra India, 9th May 1993.
- Class 3. No. 165681 & 165686, Kipril Products and Packagings Pvt. Ltd., Venu-Vimal House, 16, Road No. 9, M.I.C.D.C., Andheri (E), Bombay-400093, Maharashtra, India, "TOOTH BRUSH", 1st June 1993.
- Class 3. No. 165655, Prakash Industries, a registered partnership firm having office and factory at 169/II, Bombay Talkies compound, Malad (W), Bombay-400064, Maharashtra, India, "TWIN WATER BOTTLE", 21st May 1993.
- Class 3. No. 166116, Shilpa Plast (India) Pvt. Ltd., of 340 Belgium Tower, Delhi Gate, Surat-395003, Gujarat, India, "SHAVING BRUSH", 3rd September 1993.
- Class 3. No. 166242, S. L. Industries, 18, Bank enclave, Ring Road, Rajouri Garden, New Delhi-110027, India, an Indian Proprietary firm, "PANEL", 22nd September 1993.
- Class 3. No. 16477, Alfa consumer appliances Limited, Alfa House, 26, Wellington Road, Secunderabad-500026 (A. P.), India, "EXHAUST FAN", 5th November 1993.
- Class 3. No. 166443, Shriram Foods & Fertiliser Industries, an Indian company, 15, Shivaji Marg, New Delhi-110015, India, "CONTAINER", 28th October 1993.
- Class 3. No. 165786, Indian Oil Corporation Limited, Research & Development Centre, Sector 13, Faridabad-121007, Haryana, India, "DISCHARGE DEVICE OF GASOLINE PUMP", 23rd June 1993.
- Class 3. No. 165701, Parle Agro Private Limited, Incorporated in India, Western express highway, Andheri (East), Bombay-400099, Maharashtra, India, "BOTTLES", 3rd June 1993.
- Class 3. No. 165489, Narayan Deshbandhu Sharan, An Indian Citizen, Trading as Shinex Industries, at No. 81, rd Main Road, Rajajinagar, Industrial Town, Bangalore-560044, Karnataka, India, "BRUSH", 2nd April 1993.
- Class 3. No. 165725, M/s. Vinay Electricals, 39, Shrikant Palekar Marg, Chirabazar, Bombay-400002, Maharashtra, India, an Indian partnership firm, "SWITCH", 8th June 1993.
- Class 3. No. 165756, Reckitt & Colman of India Limited, 41-Chowringhee Road, Calcutta-700071, West Bengal, India, "CONTAINER", 14th June 1993.
- Class 3. No. 166420, Maskara Plastics, Bharat Udyog Nagar, Gala No., 31, Babasaheb Kotkar Marg, Goregaon (E), Bombay-400063, Maharashtra, India, an Indian Partnership firm, "PEPPER/SALT CONTAINER", 25th October 1993.
- Class 3. No. 165413, Novel International, 305, Rajgruhl Apartment, J. B. Nagar, Andheri (E), Bombay-400059, Maharashtra, India, a partnership firm, "SPECIAL SAFETY CAP WITH DISCHARGE NOZZLE FOR FIRE EXTINGUISHER", 10th March 1993.

- Class 3.** No. 165412, Novel International, 305, Rajagruhi Apartment, J. B. Nagar, Andheri (E), Bombay-400059, Maharashtra, India, a partnership firm, "SAFETY CAP FOR FIRE EXTINGUISHER", 10th March 1993.
- Class 3.** Nos. 165799 & 165800, Standipack Private Limited, 25, Community Centre, East of Kailash, New Delhi-110065, India an Indian Company, "RE-FILLABLE POUCH", 28th June 1993.
- Class 3.** No. 165580, Creations, an Indian sole proprietor's firm, carrying on business at Krishna Bhuwan, 4th floor, 146, Dr. Viegas Street, Bombay-400002, Maharashtra, India, "COASTERS", 23rd April 1993.
- Class 3.** No. 166465, Hindustan Lever Limited, a company incorporated under the Indian companies Act, 1913, registered office of which is at 165/166, Backbay reclamation, Bombay-400020, Maharashtra, India, "A BOTTLE", 5th November 1993.
- Class 3.** No. 165975, Hindustan Lever Limited, a company incorporated under the Indian companies Act, 1913, registered office of which is at 165/166, Backbay reclamation, Bombay 400020, Maharashtra, India, "DISTRIBUTION VEHICLE/CARRIER", 3rd August 1993.
- Class 3.** No. 164830, Polystone (India) of Suvidha Complex, E-4, Commercial Sector, Shastri Nagar, Jodhpur-342003, Rajasthan, India, an Indian regd. Partnership firm, "BACKREST", 30th September 1992.
- Class 3.** No. 166174, Sun Oil company Pvt. Ltd. of 10B, British Indian Street, Calcutta-700069, West Bengal, India, "CONTAINER", 16th September 1993.
- Class 3.** No. 165871, Manoj Seals and Locks, 507/4, Mohatta Market, 5th floor, Palton Road, Bombay-400001, Maharashtra, India, an Indian sole proprietary firm, "SEALING DEVICE", 15th July 1993.
- Class 3.** No. 165966, Sumcet Macines Ltd., of A/11-2 & A/11-3, Ambad Industrial Estate, addl., Nasik Industrial Area, Nasik-422010, Maharashtra, India, "JUICER", 30th July 1993.
- Class 3.** No. 165976, Narinderjit Singh Batra, of A-1, New Sonal Industrial Estate, Saki Vihar Road, Powai, Bombay-400072, Maharashtra, India, "STAND FOR DOMESTIC APPLIANCES", 3rd August 1993.
- Class 3.** No. 165392, Rathii Kannan Santosh Joint Chemicals and Plastic Co., No. 281 (Old No. 1), New Bayappanahalli, B.M.K. Nagar, Indiranagar Post, Bangalore-560038, Karnataka, India, "CONTAINER", 1st March 1993.
- Class 3.** No. 165947, Health Rack a Registered Partnership firm of D-976, New Friends Colony, New Delhi, India, "TOOTH BRUSH", 28th July 1993.
- Class 3.** No. 166243, Ashok Kumar Pallo, a citizen of India, 3-5-199/B/6, Government Distillery Compound, Narayanaguda, Hyderabad (A.P.), "VOLTAGE STABILIZERS", 22nd September 1993.
- Class 3.** No. 165679, Kipril Products and Packaging Private Limited, Venu-Vimal House, 16, Road No. 9, M.I.D.C., Andheri (E), Bombay-400 093, Maharashtra, India, "TOOTH BRUSH", 1st June 1993.
- Class 3.** No. 165913, Creations, an Indian sole proprietor's firm carrying on business at Krishna Bhuwan, 4th floor, 146, Dr. Viegas Street, Bombay-400002, Maharashtra, India "SHAVING KIT", 22nd July 1993.
- Class 3.** No. 166733, B. K. Products, of 39, Radha Madhav Saha Lane, Calcutta-700007, West Bengal, India, an Indian partnership firm, "CONTAINER", 20th January 1994.
- Class 3.** No. 166117, Roshan Lal Oil Mills Ltd., 18-A, Industrial Area, New Rohtak Road, New Delhi-5, India, "CONTAINER", 3rd September 1993.
- Class 3.** No. 166101, Bajaj Electricals Limited, an Indian company incorporated under the Indian companies Act, having office at 45-47, Veer Nariman Road, Bombay-400023, Maharashtra, India, "TABLE FAN", 30th August 1993.
- Class 3.** No. 164832, Pulmotech of C-86, Shastri Nagar, Jaipur-302016, Rajasthan, India, an Indian Regd. Partnership firm, "MEDICAL INSTRUMENT", 30th September 1992.
- Class 3.** No. 166434, Beecham Group P.L.C., of Four New Horizons court, Harlequin Avenue, Brentford Middlesex TW8 9EP, England, a British company, "A TOOTH BRUSH", 27th October 1993.
- Class 3.** No. 166450, S. L. Industries, 18, Bank Enclave, Ring Road, Rajouri Garden, New Delhi-110027, India, an Indian Proprietary firm, "CUTLERY STAND", 1st November 1993.
- Class 3.** No. 166451, S. L. Industries, 18, Bank Enclave, Ring Road, Rajouri Garden, New Delhi-110027, India, an Indian Proprietary firm, "SPOON", 1st November 1993.
- Class 3.** No. 166164 & 166163 Rolex Komb Industries, Registered Partnership firm, whose address is 58/60, Surat Chawl, 2nd floor, Bombay-400002, Maharashtra, India, "COMB", 15th September 1993.
- Class 3.** No. 165973, Three-N-Products (P) Ltd., an Indian company incorporated under the Indian Companies Act, 3030, Street No. 4, Ranjit Nagar, New Delhi-110008, India, "CAP", 3rd August 1993.
- Class 3.** No. 165475, Narayan Deshbandhu Sharan, an Indian Citizen, Trading as Shinex Industries, at No. 81, 3rd Main road, Rajajinagar, Industrial Town, Bangalore-560044, Karnataka, India, "BODY SCRUBER", 29th March 1993.
- Class 3.** 165478, Motorola, INC., a corporation of the States of Delaware, U.S.A. of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "PAGER", 30th March 1993.
- Class 3.** No. 165636, Achal Anil Bakeri, an Indian National residing at 13, Sadma Society, Navrangpura, Ahmedabad-380009, Gujarat, 1993.
- MACHINE**, 1993.

- Class 3.** No. 165620, Castrol India Limited, an Indian company, Incorporated in India, White House, 91, Walkeshwar Road, Bombay-400006, Maharashtra, India, "CONTAINERS", 10th May 1993.
- Class 3.** No. 166133, Harsheel Gift, 1, Jayashree Apt., Arvind Colony, 148/A, S. V. Road, Irla, Vile-Parle (W), Bombay-400056, Maharashtra, India, an Indian Partnership firm, "PAPER CONTAINER-CUM-PAPER WEIGHT" 6th September 1993.
- Class 3.** 166694, Gian Chander Agarwal, 75, Raj Nagar, Road No. 43, Pitampura, Delhi-110034, India, Phone 7189531, "SUPER MICRO FILTER (MASK)", 13th January 1994.
- Class 3.** No. 166479, Tefal S.A., a corporation organised under the laws of France, 74150 Rumilly, France, "WEIGHING SCALE", 8th November 1993.
- Class 3.** No. 166429, Milton Plastics Ltd., a company incorporated under the Companies Act, 1956, having its registered office at 58D, Govt. Industrial Estate, Charkop, Kandivli (W), Bombay-400067, Maharashtra, India, "INSULATED TIFFIN BOX", 26th October 1993.
- Class 3.** No. 164831, Pulmotech of C 86, Shastri Nagar, Jaipur-302016, Rajasthan, India, an Indian Registered Partnership firm, "MEDICAL INSTRUMENT FOR ASTHINSMA PATENT" 30th September 1992.
- Class 3.** No. 164708, Ashish Enterprises, 1, Jayashree Apartments, 148/A, S. V. Road, Arvind Colony, Irla, Vile Parle (W), Bombay-400056, Maharashtra, India, an Indian proprietary concern, "PEN SET BOX", 26th August 1992.
- Class 3.** No. 165269 to 165271, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "THERMOS", 3rd February 1993.
- Class 3.** No. 165921, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "THERMOS", 26th July 1993.
- Class 3.** No. 165265, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "CASEROLE", 3rd February 1993.
- Class 3.** No. 165668, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "CASEROLE", 31st May 1993.
- Class 3.** No. 165875, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "CASEROLE", 16th July 1993.
- Class 3.** No. 166182, Gulf International Lubricants Limited, a company incorporated and existing under the laws of Bermuda, having its registered office at Cedar House, 41, Cedar Avenue, P.O. Box: HM 1179, Hamilton 5-24, Bermuda, "CONTAINER", 16th September 1993.
- Class 3.** No. 166520, Eagle Flask Industries Limited, a company incorporated under the Indian Companies Act, 1956 having its office at Eagle Estate, Talegaon-410507, Pune, Maharashtra, India, "THERMOS", 26th November 1993.
- Class 3.** No. 166486 & 166487, Surya Morphy Richards Limited, a company incorporated under the Companies act, having its office at 1118, Maker chambers, V, Uariman Point, Bombay-400021, Maharashtra, India, "TOASTER", 10th November 1993.
- Class 3.** No. 166326, Hindustan Lever Limited, 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India, "INFUSION PACKET", 7th October 1993.
- Class 3.** No. 166705, Hindustan Lever Limited, 165/166, Backbay Reclamation, Bombay-400020, Maharashtra, India, "CONTAINER", 19th July 1993.
- Class 3.** No. 166548, Evershine Plastic Industry, A-59, Wazirpur Industrial Area, Delhi-110052, India, a partnership firm, "WATER TAP", 6th December 1993.
- Class 3.** No. 166547, Evershine Plastic Industry, A-59, Wazirpur Industrial Area, Delhi-110052, India, a partnership firm, "WATER JUG", 6th December 1993.
- Class 3.** No. 166552, Prakash Trading Corporation, 527, Kucha Pati Ram, Bazar Sita Ram, Delhi-110006, India, "DOOR KNOB", 6th December 1993.
- Class 1.** No. 166553, Prakash Trading Corporation, 527, Kucha Pati Ram, Bazar Sita Ram, Delhi-110006, India, "DOOR HANDLE", 6th December 1993.
- Class 3.** No. 166665, Tata Keltron Limited, Incorporated in India, Kanjikode west Palghat-678 623, Kerala, India, "TELEPHONE", 5th January 1994.
- Class 3.** No. 166683, Celltone appliances of Parmar House, Ramchandra Lane Extension, Malad (W), Bombay-400064, Maharashtra, India, an Indian Proprietary firm, "A GAS LIGHTER", 11th January 1994.
- Class 3.** No. 165571, Fufee Umbrella Pvt. Ltd., a company registered under the companies Act, 1956 and having its registered office at 94/96, Princess Street, Bombay-400002, Maharashtra, India, "UMBRELLA HANDLE", 21st April 1993.
- Class 1.** No. 166315, NBB NORDISK BILBELYSNING AB of Box 1005, S-581 10 Linköping, Sweden, "HEADLIGHT", 5th October 1993.
- Class 3.** No. 165480, Motorola, INC. a corporation of the State of Delaware, United States of America of 1303, Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "PAGER", 30th March 1993.
- Class 3.** No. 166223, Starlite synthetics Pvt. Ltd., a company incorporated under the Indian Companies Act, Sanskrit Bhawan, Jhandewalan, New Delhi-110055, India, "BOTTLE", 20th September 1993.
- Class 3.** No. 166285, Gillette Canada INC, a Canadian corporation of 16700 Trans Canada, Kirkland, Quebec, Canada H9H 4Y8, "TOOTH BRUSH", 29th September 1993.

R. A. ACHARYA,
Controller General of Patents,
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